TAPR APRS Special Interest Group Archive, May 1997

May 1997

TAPR's discussion forum for the Automatic Packet Reporting System (APRS), including software, hardware, GPS, mapping, networking, operations, and related technical topics.

This volume contains 1 original monthly file and 1,050 messages, arranged chronologically. The PDF is a readable access copy: MIME transfer encodings are decoded, HTML bodies are converted to plain text, and non-text attachments are represented by descriptive notes. The raw source text is supplied separately with the Internet Archive item.

Month	Messages	Original source file
1997-05	1,050	aprssig.9705

May 1997

Original source file: aprssig.9705
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.9705

1. Re: [APRSSIG:12124] 790 bug

From: Cap Pennell <cap@cruzio.com>
Date: Wed, 30 Apr 1997 22:13:54 -0700
To: joefoor@digitalexp.com, aprssig@tapr.org
Message-ID: <3.0.1.32.19970430221354.006a906c@mail.cruzio.com>
Rendered body type: text/plain

At 21:45 4/30/97 -0500, Foor, Joe wrote:
>Hi Bob;
>
>I just tested another aspect of the zulu time stamp on a simulated
>huricane and it didn't work right.
>
>At 2130 (-5) on May 30, I posted an object, as a hurricane, with the
>time as 010200z, which would be 30 minutes old.
<snip>
Joe, I think you meant to say April 30 instead of May 30. I'm noticing the same thing here though. Seems APRS doesn't know how many days are in the month! It thinks the day after April 30 is April 31 instead of May 1. The solution I found that works is to change the computer's clock to UTC (Zulu) instead of local time and run APRS790 that way.
73, Cap KE6AFE
--
Cap Pennell
Santa Cruz, CA 95062-1002 3658.92N/12200.88W
email: cap@cruzio.com home page: http://members.cruzio.com/~cap
packet radio: KE6AFE @kg6ee.#cca.ca.usa.noam

2. Re: [APRSSIG:12124] 790 bug

From: Cap Pennell <cap@cruzio.com>
Date: Wed, 30 Apr 1997 23:06:07 -0700
To: joefoor@digitalexp.com, aprssig@tapr.org
Message-ID: <3.0.1.32.19970430230607.00693c34@mail.cruzio.com>
Rendered body type: text/plain

Of course, I spoke too soon (as usual). Changing my computer's clock to Zulu time only fixed MY position report and that of the "fixed" stations without clocks. Local stations using local time on their computer clocks with APRS790 are still showing a April 31 Zulu time on my Posit list in APRS790 (and not showing on my map). Oh well, it's getting late here in California. I think the problem will probably resolve itself after midnight here! Right now, it's:
010606z in real UTC (Zulu)
310606z in APRS790 with computer clock set to PDT
302306 PDT

73, Cap KE6AFE
--
Cap Pennell
Santa Cruz, CA 95062-1002 3658.92N/12200.88W
email: cap@cruzio.com home page: http://members.cruzio.com/~cap
packet radio: KE6AFE @kg6ee.#cca.ca.usa.noam

3. OutGGA/SA4 questions

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 01 May 1997 01:38:08 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <33683A4F.730E97B1@probe.net>
Rendered body type: text/plain

I have a few questions regarding the OutGGA to SA4 capability of APRSdos: First, to quote a snip from commercl.txt:

> APRS outputs a GGA/VTG data format as if it was a navigation device.
> A GPS string is sent from APRS to the other computer under the following conditions: <snip>

Using a Tripmate and a Compaq Aero laptop, I made a short drive around town, capturing raw NMEA data to a text file using terminal.exe. What follows is a short segment, with everything but RMCs and GGAs edited out for clarity:

$GPGGA,183505,4113.9385,N,09553.0498,W,1,08,0.81,299.7,M,-28.9,M,,*4F

```
$GPRMC,183505,A,4113.9385,N,09553.0498,W,48.356,271.9,280497,5.0,E*55
$GPGGA,183506,4113.9395,N,09553.0674,W,1,08,0.81,299.8,M,-28.9,M,,*42
$GPRMC,183506,A,4113.9395,N,09553.0674,W,48.374,271.9,280497,5.0,E*57
$GPGGA,183507,4113.9399,N,09553.0859,W,1,08,0.81,299.9,M,-28.9,M,,*4F
$GPRMC,183507,A,4113.9399,N,09553.0859,W,48.461,271.8,280497,5.0,E*59
$GPGGA,183508,4113.9399,N,09553.1025,W,1,04,0.81,300.8,M,-28.9,M,,*4E
$GPRMC,183508,A,4113.9399,N,09553.1025,W,45.590,271.5,280497,5.0,E*5B
$GPGGA,183509,4113.9404,N,09553.1201,W,1,05,0.81,302.9,M,-28.9,M,,*4A
$GPRMC,183509,A,4113.9404,N,09553.1201,W,48.214,272.4,280497,5.0,E*59
$GPGGA,183510,4113.9414,N,09553.1377,W,1,06,0.81,303.3,M,-28.9,M,,*4B
$GPRMC,183510,A,4113.9414,N,09553.1377,W,49.138,272.1,280497,5.0,E*59

Question 1.  What does everything after the 09553.0322,W,1,08 (as in the
first line) represent in the $GPGGA sentence?  I understand the $GPRMC
sentence is giving me speed and course, like 48.356 mph at a course of
271.9 degrees (line 2).

Q 2. What makes the GGA sentence the choice for sending over to SA4
where only RMC gives course and speed?  If you select Monitor GPS in SA4
while receiving OutGGA data from APRS, the course and speed always show
0.00000 since the GGA doesn't contain this.  Shouldn't you be sending
RMC instead for full use of SA4 and posits from Trackers/Mobiles?

Additionally, in a one-machine solution (as suggested elsewhere on the
sig) for APRS and OutGGA to SA4 using 3 serial ports, my Pentium
75/Win95 can't handle the load of both programs running at once and
freezes up after about 5 minutes.  How could you accomplish NMEA data
transfer internally without requiring the 3 com ports - one for TNC, one
to loop out, and one to loop back in; and the system resource drain from
APRSdos?

Thanks in advance for your answers and sorry for the long post.

Jim       jimgill@probe.net
```

4. winAPRS 1.4.5 posit rate bug?

```
From: bob <w2g3zfj@unix.asb.com>
Date: Thu, 01 May 1997 08:01:59 -0400
To: aprssig@tapr.org
Message-ID: <33688637.65BB@unix.asb.com>
Rendered body type: text/plain

Hi Folks

I found 1.4.5 on the Rutgers site and upgraded. Not quite sure what the
changes are from 1.4.0 as there was no documentation with it.

Everything seemed to work OK and then I found out that I was
transmitting my position every 1 minute (the default setting)! So, last
night I changed it to 20min and since then it hasn't set my position at
all. Anyone else seen this?

73 de bob w2/g3zfj

w2g3zfj@unix.asb.com

javAPRS page

http://www.asb.com/usr/w2g3zfj/aprs1.htm
```

5. winAPRS1.4.5 documentation/posit rate bug

```
From: bob <w2g3zfj@unix.asb.com>
Date: Thu, 01 May 1997 08:06:06 -0400
To: aprssig@tapr.org
Message-ID: <3368872E.2F78@unix.asb.com>
Rendered body type: text/plain

I made a mistake in my previous mail. There is documentation for 1.4.5,
its just not included with the update file. Still doesn't help with the
bug though.

73 de bob
```

6. NEW RELEASE 1.4.5

```
From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Thu, 01 May 1997 06:59:30 -0500
To: aprssig@tapr.org, n2zrc@webspan.net
Message-ID: <s3684054.031@mail.rkd.snds.com>
```

Rendered body type: text/plain

>>> Arte Booten wrote:
>ixed it. But he had a good excuse ... thy were busy getting a new
>program release ready and those seventy-two hour days weren't long
>enough. ;-O 73
--
  Speaking of the newest release, has anyone else had problems with it
wanting to be a weather station?
Or with not receiving any packets after using "R" to reply to a message?
Other than those 2 small problems the new release is great. 73 Paul

    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

7. ERROR# 5, LOCK-UP's

From: "Gerald Fuller - WA8EQP" <USDCC3H5@IBMMAIL.COM>
Date: Thu, 1 May 1997 08:10:22 -0400
To: <APRSSIG@tapr.org>
Message-ID: <199705011211.HAA12429@tapr.org>
Rendered body type: text/plain

Bob Bruninga - WB4APR
Bob; I'm trying to use APRS790 but I keep seeing a "ERROR 5" lock up. I
have also seen lock-up's on APRS787, but no "ERROR 5". I have not changed
my computer or video drivers. I'm using a KPC-2 with a 486-40mz computer
running Windows 3.11. I am able to run APRS77f without any problems...can
you give me any direction on this problem.

Thanks Jerry - WA8EQP.

8. Eagle GPS 800#

From: kd6mve@juno.com (Ed Johnston)
Date: Thu, 01 May 1997 11:11:46 EDT
To: aprssig@tapr.org
Message-ID: <19970501.080955.4415.0.kd6mve@juno.com>
Rendered body type: text/plain

Ref: New Eagle GPS

You can order a catalog from Eagle by calling 1-800-324-1354.
Hopefully it has more information about the unit.

Ed Johnston kd6mve@juno.com

9. Belize Expedition with APRS

From: Jon Haskell <kb9cml@worldnet.att.net>
Date: Thu, 01 May 1997 13:04:37 -0700
To: aprssig@tapr.org
Message-ID: <3368F755.3C18@worldnet.att.net>
Rendered body type: text/plain

Several months ago I put out an inquiry regarding the use of APRS on my
trip to Belize this July with about 30 other Land Rover vehicles. At that
time I had about 3-4 persons graciously responding that they would like
to help in providing the use of their stations in the transmission of any
emergency traffic for the group via APRS.

I unfortunately have lost the electronic file these volunteers messages
were stored. I do remember one was from Canada, one from the Chicago area
and one of the Sproul's. I would like to start getting things organized
for the July departure and ask that you drop me another note, so I can
contact you.

BTW, I believe I have my HF mobile station running fairly well now and
routinely beacon when on the road here in Indiana and Ohio. WOuld
appreciate hearing from you if you see me on your screen.

many thanks!

Jon Haskell, KB9CML
Indianapolis

10. TNC to computer problems

From: Nick <nick@cycat.com>
Date: Thu, 01 May 1997 14:49:18 -0400
To: aprssig@tapr.org
Message-ID: <3368E5AE.45FE@cycat.com>
Rendered body type: text/plain

Can anyone offer suggestions to the following problem?

Am trying to set up my regular computer, 486/66 w/Win95, to run APRS and WinAPRS. TNC is KPC-3. I have mouse on COM 1, internal modem using COM 4 now and set up extra 25pin serial port off I/O card to use COM 2 (for TNC). Adjusted IRQs so WIN95 shows no conflicts and shows COM 2 as active port. For some reason, still can't get TNC to respond to port. APRS says "TNC not responding" and will try to "send to TNC" a second time then program stalls. Have tried hard reset on TNC but to no avail. Also have tried aprs787 and 790, no luck.

Normally have been using TNC w/286 laptop and as stand alone tracker successfully.

Thanks in advance for the help (and don't suggest a MAC, that's not a viable solution at this point).

Keith, KF4BXT
keith.kotch@cycat.com

11. Re: DGPS and Trailblazer

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Thu, 01 May 1997 15:38:58 -0400
To: gwells@nbn.net
Cc: aprssig@tapr.org
Message-ID: <3368F152.3A5C@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

Gary -- in addition to the note Bob Kirk posted:

> > Gary... You can tell if the GPS is getting differential info by
> > checking the GGA output. Log your GGA output into the comm program
> > on your computer. The first digit after the Lat-Long (it should
> > be the digit after "W" for west longitude) is the position type
> > if I remember right. 0 means no fix, 1 means normal locked on fix,
> > and 2 means it's using differential.

The GGA message also gives you much more information. The GGA format is something like:

$GPGGA,hhmmss,ddmmss,N,ddmmss,W,Q,nn,hdop,hgt.h,M,g.g,M,ttt,xxx<cr><lf>

where, after the time/lat/lon fields,
   Q = quality = 0(not locked), =1(normal), =2 (DGPS active)
  nn = # of sats. If DGPS is active, this is the number of satellites
       seen by BOTH your rcvr and the reference station.
 ttt = age in seconds of the that DGPS correction received
 xxx = ID number (0-1023) of sent by the DGPS beacon in use

In the case that DGPS data is not being received, the last two fields revert to nulls, so the message looks like

$GPGGA,hhmmss,ddmmss,N,ddmmss,W,Q,nn,hdop,hgt.h,M,g.g,M,,<cr><lf>

Note that most rcvrs reject the DGPS data after it is ttt=30 (or in some cases 60 seconds) old and revert to non-DGPS mode. This is why the W3IWI-13 DGPS beacon runs at a rate of 20 seconds -- you can lose one message and not be dead in the water. For W3IWI-13, the ID number xxx=0073 (as good as any other number, eh what?).

On most other receivers (certainly the Motorola TRAXAR and Garmin GPS-45), the LCD display clearly shows when valid DGPS data is being received. For example, the "S-meter" bars on the GPS-45 have a "D" for those satellites for which DGPS beacon data is available and the operating mode shows a DGPS flag on the screen. The other clue is that your speed will show zero when you are stopped if DGPS data is incoming.

Sorry I can't help on the Trailblazer -- never had one to play with.

73, Tom

12. Re: [APRSSIG:12136] TNC to computer problems

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 1 May 1997 19:34:35 -0400 (EDT)
To: Nick <nick@cycat.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970501193344.28516C-100000@arctic>
Rendered body type: text/plain

On Thu, 1 May 1997, Nick wrote:

> WinAPRS. TNC is KPC-3. I have mouse on COM 1, internal modem using COM 4
> now and set up extra 25pin serial port off I/O card to use COM 2 (for
> TNC). Adjusted IRQs so WIN95 shows no conflicts and shows COM 2 as
> active port. For some reason, still can't get TNC to respond to port.

APRSdos REPLY/COMMENT: APRS can only use the STANDARD IRQ for COM1 or
COM2. Does that help?

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

13. My hard drive crashed...

From: Earl Needham <needhame@3lefties.com>
Date: Thu, 1 May 1997 17:36:55 -0700
To: aprssig@tapr.org, big-band@listserver.com, railspot@ms1.nwla.com,
        SANTAFE@crcvms.unl.edu, SCOUTS-L@TCUBVM.IS.TCU.EDU,
        SINFONIA@ASUVM.INRE.ASU.EDU, six-list@I1.NET,
        trombone-l@lists.missouri.edu, vhf@w6yx.stanford.edu,
        yaesu@contesting.com
Message-ID: <BMSMTP8625332742needhame@server.3lefties.com>
Rendered body type: text/plain

Everybody -- my hard drive crashed last night and I lost everything.
If you've been holding an email conversation with me, please drop me your
address.

        This includes Leigh Soufas, Christine Kreiger, Jeff Ford, and others.

        Earl Needham
        Clovis, NM
        KD5XB@AMSAT.ORG

14. APRS Mobile in Colorado

From: "Micheal R. Marshall" <w2hpq@earthlink.net>
Date: Fri, 02 May 1997 00:04:54 -0700
To: aprssig@tapr.org
Message-ID: <33699216.50C8@earthlink.net>
Rendered body type: text/plain

I will be APRS mobile (stand alone, no PC) from Denver to Colorado
Springs (visit W0IDA) late Saturday morning then afternoon or late
afternoon back up I25 to Loveland.
I Will be in the Loveland area (HP) until early am on May 8 when we
(another non-ham engineer and myself) head back to DEN airport.

Hopefully there will be a 2m-->30m gate in operation (I know, I know) so
I might be seen back on the east coast.

Call sign will be W2HE-9, UNPROTO RELAY,WIDE,WIDE, power out will be 5w
(ht) into 3dB 5/8.

73 de Mike, W2HE

15. Re: [APRSSIG:12127] Re: 790 bug

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 1 May 1997 18:27:59 -0600 (MDT)
To: Cap Pennell <cap@cruzio.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970501182654.2792A-100000@nova.dimensional.com>
Rendered body type: text/plain

There is no April 31. There's a May 31 though....

Patrick Cook, KB0OXD
Denver, Colorado

16. National APRS Calendar 004

From: henryvb <henryvb@dpliv.com>
Date: Thu, 01 May 1997 19:28:12 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <3369351C.14B9@dpliv.com>
Rendered body type: text/plain

National APRS Calendar 004

It was suggested by Bob Bruninga, APRSdos Author, that this calendar be
maintained in a common location and be posted weekly to the APRSSig.
NIAN has volunteered to maintain this list. If you have items to add to
the list, send the info as listed in the heading by
e mailto:henryvb@dpliv.com or complete the form at
http://www.geocities.com/CapeCanaveral/Lab/2809/aprscalform.html
New/changed items on this list denoted by "*****".

DATE LOCATION; EVENT; WHAT'S HAPPENING?; FREQS (if any); CONTACT
*Fri 05/02/97 -
*Sat 05/03/97 Kansas City, MO; PHDARA Hamfest APRS Forum; APRS Forum/
* Demonstration by KU0G;
* Contact Jim KU0G mailto:ku0g@kcaprs.org

*Sat 05/03/97 Raindate Sun 05/04 or following weekend;
* Hampstead, NC (20 mi. NE of Wilmington, NC); HALO Rockoon
* Flight; Balloon launch @ 1015Z, then a rocket from the
* balloon platform at 105,000 ft. around 1215Z; Xmitter
* coverage: balloon 400 mi. (SE states up to NJ and PA),
* rocket 700 mi. (entire East Coast, SE & part of Midwest);
* On Launch Gondola: ATV 434.00 MHz (live color camera view
* of rocket liftoff); On Rocket: APRS 441.050 MHz, ATV 1280
* MHz 3W; Contact Bill WB8ELK mailto:bbrown@hiwaay.net or
* visit the website http://fly.hiwaay.net/~bbrown

*Sun 05/04/97 Decatur, IL; Cenois ARC & Macon County ARC Hamfest; APRS
* Forum/Demonstration by K9ORP;
* Contact Larry K9ORP mailto:k9orp@tapr.org
* Hamfest questions: Doug Ellison, N9ULL 217/423-1013

Sat 05/10/97 0900-1200 EDT; Chatham, NJ; ARES/RACES Great Swamp RDF
 Exercise; Test using RDF voice reports and APRS to
 calculate location of fox (simulated lost ham); Voice
 bearing reports on simplex (MHz TBA). Fox will be foot-
 mobile tracker on 145.79;
 Contact Ralph Milnes mailto:milnes@openix.com

Sat 05/10/97 -
Tue 07/01/97 Toronto, ON to Newfoundland; Cabot 500 Flotilla; Flotilla
 of 90 boats sailing to Newfoundland to celebrate the
 500th anniversary of John Cabot's discovery of the North
 American mainland.; 30M and 7.085;
 Contact Tony Wright mailto:twright@ica.net
 Maps of the route: http://www.peel.com

Sat 05/10/97 Eastern KY; Kanawha Valley Balloon Experiment KVBE-01;
 Balloon, Basic Stamps to convert NMEA data to voice,
 Agrelo 2M Transmitter; APRS on 145.790 MHz., Telemetry on
 145.565 MHz.;
 Contact KVBE http://www.geocities.com/~n8pqi/kvbe.html

*Sat 05/10/97 1400Z; Cape Henlopen State Park, Lewes, DE; Mid Atlantic
* Balloon and Rocket Launch Part 1; Balloon w/ATV & GPS.
* See next item.; APRS 145.79 ATV 434 MHz.;
* Contact Dr. Samuel Guccione mailto:sguccion@outland.dtcc.edu

*Sat 05/10/95 1800Z; Cape Henlopen State Park, Lewes, DE; Mid Atlantic
* Balloon and Rocket Launch Part 2; Super Loki sounding
* rocket will be launched, carrying an electronic payload
* designed and assembled by students and faculty of the
* Delaware Tech. See previous item.; ATV 2W on 439.25 MHz.,
* GPS on the sound channel.;
* Contact Dr. Samuel Guccione mailto:sguccion@outland.dtcc.edu

Fri 05/16/97 -
Sun 05/18/97 Dayton, OH; Dayton Hamvention; If you don't know what this
 is, I don't know what to say;
 Contact DARA http://www.hamvention.org

*Fri 05/16/97 1500-1630 EDT; Dayton, OH; APRS Update and TAPR APRS SIG
* Meeting; Presentation and Q&A by Bob, Keith, Mark, part of
* the TAPR Digital Forum;

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*             Contact TAPR http://www.tapr.org/tapr/html/dayton.html

 Fri 05/16/97 1900 EDT til ???; NCR Corp; Dayton, OH; Packet Bash;
              Dinner, raffle, Keynote address, TAPR Sig Meetings;
              Contact AG9V mailto:packbash@ag9v.ampr.org or
              TAPR http://www.tapr.org

*Sat 05/17/97 1830 EDT; Dayton, OH 3947.80N, 08411.60W; APRS Pizza Bash
*             Social event meet and eat, show off APRS toys. (My
*             tracker is better than your tracker....) Located at
*             Marion's Pizza, 3443 N. Dixie Drive at the intersection
*             with Wagnor Ford Rd.; 145.79 and a voice talk-in to be
*             named later;
*             Contact Bob WB8CXN mailto:rgmahon@worldnet.att.net

 Sat 05/17/97 ALL; Armed Forces Day; Take APRS into the field

 Sat 05/17/97 -
 Sun 05/18/97 Sacramento Municipal Utility Energy and Technology Center,
              CA; N. Calif Emergency Response Institute; As announced in
              the ARRL Field Forum, classes will include the many uses
              of Technology in Emergency Services including the
              Internet. APRBob says "Sounds like a good place to show
              off APRS.....";
              Contact Calif OES http://www.garlic.com/oes/eri/eri97.htm

 Sun 05/18/97 Rockford, IL; American Lung Association Bike & Walk-A-Thon
              Bike-a-thon, APRS mobiles and/or trackers needed;
              Contact Paul WA9FFL mailto:PEPLASTERS@mail.rkd.snds.com

 Sun 05/25/97 Madison, WI; 1997 Madison Marathon; Typical marathon, they
              need assistance with voice and APRS operators who have
              trackers for sag wagons, buses, lead vehicles, etc.;
              Contact Tom Weeded mailto:tcweeden@execpc.com

 June (TBA) 1997 (one day); MO; MS-150 Century Ride; Volunteers needed.
              20+ stand-alone trackers, any/all MIC-E units available,
              plus people with laptops and ability to go full APRS
              mobile. Ride from Olathe and southwestward and return
              (one day); Contact Jim KU0G mailto:ku0g@sprynet.com

*Sat 06/07/97 1200Z; Riley Cnty, KS 3905.13N 09639.34W; Kansas Near
*             Space Project Flight 97A; Balloon launch w/capsule
*             containing Sky Polarimeter, Solar Radiometer, High
*             Altitude Rocket Ignitor Test, Glider Drop, Dosemeter,
*             Geiger Counter, UV Yeast Experiment, Bacteria Culture
*             Experiment, & Roach-o-naut; APRS & telemetry 145.79,
*             ATV: 439.25, Voice 3.964, 147.255 Rptr, 146.670 Rptr;
*             Contact KNSP http://www.ksu.edu/humec/knsp

*Sat 06/07/97 1300-1400 CDT; Arlington, TX; HamCom 1997; APRS
*             Presentation by Mike Heskett, WB5QLD;
*             Contact TPRS http://www.tprs.org

 Sat 06/14/97 1200-1300Z; Brownsburg, IN 3949.95N 08623.97W;
              Windtrax-12 Balloon Launch; 2nd balloon launch of the
              season; APRS 446.000 MHz, also crossbanded to 145.790 &
              GATE; ATV 439.25MHz. 1.5 Watts 2-ccd cameras; Voice
              444.85 & 52.525 MHz. down, 144.30 MHz up;
              Contact Windtrax http://www.windtrax.org

 Fri 06/21/97 -
 Sat 06/22/97 Albany NY, Lyons ?, Pittsburgh PA, Philadelphia PA,
              Westover AFB in Western Mass; National Disaster Medical
              System (NDMS) MEDSTAR Exercise 97; Typical scenairos are
              earthquakes, collapsed stadiums, and Nukes.;
              Contact Mike Reik WB9YJF 804-675-5515

 Sat 06/27/97 1800Z -
 Sun 06/28/97 1800Z Everyone Everywhere; Field Day. Have an APRS station
              @ your Field Day site! Packet counts for points, it's great
              publicity, and is certainly emergency related.;
              Contact your local club.

 July (TBA) 1997 MO; MS-150 Executive Ride; Volunteers needed. 20+
              stand-alone trackers, any/all MIC-E units available, plus
              people with laptops and ability to go full APRS mobile.
              Grandview MO eastward via Pleasant Hill, Kingsville,
              Chilhowee, Knob Noster, Sedalia and south to Versailles;
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Contact Jim KU0G mailto:ku0g@kcaprs.org

August (TBA) 1997 MO; MS-150 Louisburg Pancake Ride; Volunteers needed.
20+ stand-alone trackers, any/all MIC-E units available,
plus people with laptops and ability to go full APRS
mobile. Overland Park (KS) south to Louisburg (KS) and
return; Contact Jim KU0G mailto:ku0g@kcaprs.org

September (TBA) 1997 MO; MS-150 Get-Away Bike Ride; Volunteers needed.
20+ stand-alone trackers, any/all MIC-E units available,
plus people with laptops and ability to go full APRS
mobile. Grandview MO eastward via Pleasant Hill,
Kingsville, Chilhowee, Knob Noster, Sedalia and south to
Versailles; Contact Jim KU0G mailto:ku0g@kcaprs.org

Sat 09/20/97 Dayton, OH; Dayton AF Marathon; Possibly JavAPRS for this
event.
Contact Bob Mahoney WB8CXN mailto:rgmahon@worldnet.att.net

Fri 10/10/97 -
Sun 10/12/97 Baltimore, MD; ARRL/TAPR Digital Communications Conference;
All-day seminar on APRS among other things. This is the
conference where WinAPRS was concieved in 1995.
Contact TAPR http://www.tapr.org

Fri 10/17/97 -
Sun 10/19/97 Toronto, Can; AMSAT Conference;
Contact AMSAT http://www.amsat.org

*Sat 10/18/97 Hartford, CT; Hartford Marathon; APRS will again be used
* to track key elements in the Hartford Marathon. Plan
* includes 6 GPS Standalone Trackers with multiple APRS
* screens at Race Headquarters, PA Announcer and other
* locations; APRS 145.790 MHz.;
* Contact Knut N1QKP mailto:n1qkp@bigfoot.com
* or visit the website http://idt.net/~knutf/htfd.htm

This page can be accessed thru the NIAN Homepage at:
http://www.geocities.com/CapeCanaveral/Lab/2809

Henry
N9WMM
Official Button Maker, Note Taker, and Web Weaver
Northern Illinois APRS Network
henryvb@dpliv.com

17. Re: [APRSSIG:12136] TNC to computer problems

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 1 May 1997 19:20:16 -0600 (MDT)
To: Nick <nick@cycat.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970501191607.2792H-100000@nova.dimensional.com>
Rendered body type: text/plain

On Thu, 1 May 1997, Nick wrote:

> Can anyone offer suggestions to the following problem?
>
> Am trying to set up my regular computer, 486/66 w/Win95, to run APRS and
> WinAPRS. TNC is KPC-3. I have mouse on COM 1, internal modem using COM 4
> now and set up extra 25pin serial port off I/O card to use COM 2 (for
> TNC). Adjusted IRQs so WIN95 shows no conflicts and shows COM 2 as
> active port. For some reason, still can't get TNC to respond to port.
> APRS says "TNC not responding" and will try to "send to TNC" a second
> time then program stalls. Have tried hard reset on TNC but to no avail.
> Also have tried aprs787 and 790, no luck.

Could it be that the COM port you're using is probably intended for
something by way of a FAX machine instead or does your modem take care
of that??? Also, what's on COM 3 ???

I'm speaking from a little experience in trying (unsuccessfully) to get
TNCs to work with my 386, that's why I ask....

73's for now my friend!! :-)

Patrick Cook, KB0OXD

Denver, Colorado

18. Re: [APRSSIG:12140] APRS Mobile in Colorado

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 1 May 1997 19:57:38 -0600 (MDT)
To: "Micheal R. Marshall" <w2hpq@earthlink.net>
Cc: aprssig@tapr.org, 74637.2347@compuserve.com
Message-ID: <Pine.SUN.3.96.970501194635.2792Q-100000@nova.dimensional.com>
Rendered body type: text/plain

On Thu, 1 May 1997, Micheal R. Marshall wrote:

> I will be APRS mobile (stand alone, no PC) from Denver to Colorado
> Springs (visit W0IDA) late Saturday morning then afternoon or late
> afternoon back up I25 to Loveland.
> I Will be in the Loveland area (HP) until early am on May 8 when we
> (another non-ham engineer and myself) head back to DEN airport.
>
> Hopefully there will be a 2m-->30m gate in operation (I know, I know) so
> I might be seen back on the east coast.

If Lloyd Plush, KB0MQQ has his gateway running, you should be seen via his
gw at least while here in the Denver area.

I hear that N0ZLZ also has his station up on APRS as well. He's located
on Monument Hill (unless he moved recently) so you should be seen via his
station during your stay in the Springs area.

Dunno about any Northern Colorado APRS stations though. The local APRS
group here is just barely becoming more and more active.

I'm sending a Cc of this message to Lloyd as we speak.

Hope this helps and enjoy your stay here. :-)

73's for now my friend!! :-)

Patrick Cook, KB0OXD

FOR LLOYD's INFO: Look for W2HE-9 on your screen....

19. Re: [APRSSIG:12124] 790 bug

From: moyers@bellsouth.net
Date: Thu, 1 May 1997 22:30:37 EDT
To: aprssig@tapr.org
Message-ID: <199705020202.WAA17649@gatekeeper.vic.com>
Rendered body type: text/plain

** Reply to note from joefoor@digitalexp.com Wed, 30 Apr 1997 21:45:14 -0500 (CDT)
> I've seen this happen before, with earlier versions, but it could always be worked around
> by using local time stamps instead of zulu. With no local time option any more, this is a
> problem.

Let me add to the list. I have not been able to get 790 to pickup the position of a TheNet
node.

The Btext in question is; TheNet X1J4 (SEV) !3541.60N\08337.30W#PHG5860/ COVE MTN @ 4100 AMSL

Version 787 picks it up and displays it fine for the first 3 hours then it fades to gray. I
have checked the H-list and it shows packets recieved 6 times an hour right up to the current
hour. I can delete the call of the node from the H-list and every thing will work again for
the next 3 hours.

Bob, could you load the above string, with the neccessary corrections for your location, into
one of your nodes up there as it's Btext? This is the best way I can think of for you to see
what is going on with nodes.

73,

John Moyers N4QEA
PACKET - N4QEA @ N4QEA.#METN.TN.USA.NA
INET - moyers@vic.com
http://www.vic.com/~moyers
Cruise Missile - 36 02.86N 083 55.40W A=0001100

20. selling

From: kd4emi@juno.com (Michael A. Kantor)
Date: Thu, 01 May 1997 23:15:34 EDT
To: aprssig@tapr.org
Message-ID: <19970501.231345.11583.1.KD4EMI@juno.com>
Rendered body type: text/plain

I have a tripmate and connector that is already nice and wired for the
KPC 3 (with the pwr supply stuff in the connector)

I also have a KPC 3 (though it is a bit beat up, works just fine)
that is jumped and wired for the pwer in mods etc for using the
tracker.
PRICE:
TRIPMATE AND SPECIAL connector $130
KPC3 and tripmate $175

As I am off the sig now, pls direct mail direct.
Mike KD4EMI @ JUNO.COM
(954-974-4153)

---

21. Re: [APRSSIG:12138] Re: TNC to computer problems

From: Nick <nick@cycat.com>
Date: Thu, 01 May 1997 23:39:36 -0400
To: aprssig@tapr.org
Message-ID: <336961F8.74C2@cycat.com>
Rendered body type: text/plain

bruninga@nadn.navy.mil wrote:
>
>
> APRSdos REPLY/COMMENT: APRS can only use the STANDARD IRQ for COM1 or
> COM2. Does that help?
>

Since I live in Florida, at this very moment, between each keystroke, I
am facing (basically) North and with arms outstretched bowing ever so
humbly in gratitude to the "Guru of Glen Burnie"!

To Sir Bob:

Thank you Sir, yes, that did help! Just a thought, I actually, after
the fact, read through some of the .txt files and never saw mention of
that little tidbit. If it's in there, I'm sorry for asking. If it's
not, maybe it ought to be. Wonder how many others have had similar
problem? Or is everyone else using Macs ;-)

To all others:

To all who very graciously offered their help....thank you too! I
changed the IRQ for Com 2 back to IRQ 3 (default) and my modem on Com 4,
IRQ 5, and voila.....the computer actually talked to the TNC and vice
versa. Getting a bus mouse is a good idea and I used to have one but
the "cat" got it and it died. It was a trackball (which I love)
however, when I went to replace it, none of the stores carried a bus
version trackball and I didn't want to spend $100 to order one and wait
for it.

To the Sprouls:

You can stop snickering now ;-)

73s everyone and again thanks.
Keith, KF4BXT
keith.kotch@cycat.com

---

22. (no subject)

From: Ralph <rwf@mindspring.com>
Date: Thu, 01 May 1997 23:39:19 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970501233915.006890e8@ccegate.cokecce.com>
Rendered body type: text/plain

I have one double room left in my block for Thursday, Friday, and Saturday
nights at Dayton. Hotel is a nice Fairfield Inn 4 miles from the 'fest.

The Group is made up of APRSers and ATVers. Most of the active APRSers
from the Atlanta area will be in the group as well as one from NC.

Please repond to me ASAP if you are interested.

rwf@mindspring.com

23. NEMA definitions for GGA RMC etc

From: "Bryan Fair" <brfair@flash.net>
Date: Thu, 1 May 1997 23:28:31 -0500
To: <aprssig@tapr.org>
Message-ID: <199705020423.XAA16692@endeavor.flash.net>
Rendered body type: text/plain

I know I have seen this stuff on here before, but If someone has the info
for a full decode on NEMA sentences GGA RMC etc. please send them to me.
I have checked Peter Bennett's FTP but can only find incomplete listings
not full definitions.
TIA
DE KC5CVX

Bryan Fair / KC5CVX
kc5cvx@amsat.org
http://www.flash.net/~brfair

24. PacCom HSP Harness

From: Johnlgaf@aol.com
Date: Fri, 2 May 1997 07:48:12 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970502074811_1718895553@emout16.mail.aol.com>
Rendered body type: text/plain

Help!
I have misplaced the data sheet for my PacCom HSP cable assembly. It has a
skinny black cable, and a larger grey cable. Which one goes to the TNC and
which one goes to the GPS?

Thanks in advance for the help.

John - N5XAK

25. DGPS an Trailblazer

From: "Gary" <gwells@nbn.net>
Date: Fri, 2 May 1997 08:02:10 -0400
To: "APRS SIG" <aprssig@tapr.org>
Message-ID: <199705021208.IAA12680@mail.nbn.net>
Rendered body type: text/plain

Many thanks to the many folks who offered ideas and suggestions on using
the Trailblazer XL and KPC-3 with DGPS. The system now works, but
because of my distance from the DGPS station, the results are spotty
at best. I'm sure that when I get into the Balt./DC area it will work as
advertised.

Again, many thanks to all. :-)

Gary Wells N3HCP
gwells@nbn.net
http://users.nbn.net/~gwells

26. Re: [APRSSIG:12136] TNC to computer problems

From: Nick <nick@cycat.com>
Date: Fri, 02 May 1997 08:13:53 -0400
To: aprssig@tapr.org
Message-ID: <3369DA81.624E@cycat.com>
Rendered body type: text/plain

bruninga@nadn.navy.mil wrote:
>
> On Thu, 1 May 1997, Nick wrote:
>
> > WinAPRS. TNC is KPC-3. I have mouse on COM 1, internal modem using COM 4
> > now and set up extra 25pin serial port off I/O card to use COM 2 (for
> > TNC). Adjusted IRQs so WIN95 shows no conflicts and shows COM 2 as
> > active port. For some reason, still can't get TNC to respond to port.
>
> APRSdos REPLY/COMMENT: APRS can only use the STANDARD IRQ for COM1 or
> COM2. Does that help?
>
Got up this morning, took another HT, set a magmount on the BBQ grill on
the porch, hooked everything up and....it worked.....while using mouse,

playing audio CD and downloading e-mail. Now, if I can only figure out
how to get Win95 to setup my CD for autoplay....used to work, doesn't
since trying to set up TNC and serial port. The "add new hardware"
feature hasn't been successful.

Keith, KF4BXT
keith.kotch@cycat.com

27. Re: [APRSSIG:12141] Re: 790 bug

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 09:32:08 -0400 (EDT)
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502093102.29560B-100000@arctic>
Rendered body type: text/plain

On Thu, 1 May 1997, Patrick Cook wrote:

> There is no April 31. There's a May 31 though....

APRSdos REPLY/COMMENT: I finally added a calendar routine inside APRSdos
so that it properly converts UTC on the 30 day months. This will be in
aprs791

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

28. Re: [APRSSIG:12115] BETA2 and DOZ and Windows

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 09:47:59 -0400 (EDT)
To: Aaron - AE4KO <ae4ko@magicnet.net>
Cc: austin@magicnet.net, aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502093908.29560E-100000@arctic>
Rendered body type: text/plain

On Thu, 1 May 1997, Aaron - AE4KO wrote:

> windowed (as opposed to full screen) mode, CPU time is pegged at 100%
> Not sure why this is; first guess is the "graphic" mode. Is the
> APRS "doze" mode back to standard character mode?

*** Yep, DOZ simply sets SCREEN 0 and prevents ALL print and graphics
     within APRS. All of the rest of APRS continues to run...
>
> When dozing in a full screen mode, ALT-TAB to the monitor, the
> results are just what I mentioned in my first report.

*** Not fair. with 250 messages a day, please do not refer to previous
messsages, hi hi... Was your first report 100% or 5%?

Here is what I think you are telling me:

1) In full screen mode, BETA does release CPU cycles in DOZ mode
2) In Windowed foreground BETA does NOT release CPU cycles in DOZ mode
3) In background, no one has reported anything yet or I missed it..

29. Re: [APRSSIG:12145] Re: 790 bug

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 10:11:08 -0400 (EDT)
To: moyers@bellsouth.net
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502095941.29560H-100000@arctic>
Rendered body type: text/plain

On Thu, 1 May 1997 moyers@bellsouth.net wrote:

> I have not been able to get 790 to pickup the position of a TheNet node.
>
> The Btext is; TheNet X1J4 (SEV) !3541.60N\08337.30W#PHG5860...
                123456789-1234567890 <= for counting only

APRSdos REPLY/COMMENT: Bingo. Based on inputs from SIG members, I
put a filter in recently to only allow the ! between the 17th and 23rd
position. OOPS, I forgot to account for the length of the packet HEADER!
It will be fixed in the next release... Thanks for the excellent trouble
report.

30. Re: [APRSSIG:12143] Re: TNC to computer problems

From: Byron Smith <wa6ylb@theworks.com>
Date: Fri, 02 May 1997 06:19:37 -0800
To: patcook@dimensional.com
Cc: aprssig@tapr.org
Message-ID: <3.0.1.16.19970502061937.2b8f4734@theworks.com>
Rendered body type: text/plain

At 08:24 PM 5/1/97 -0500, you wrote:
>On Thu, 1 May 1997, Nick wrote:
>
>> Can anyone offer suggestions to the following problem?
>>
>> Am trying to set up my regular computer, 486/66 w/Win95, to run APRS and
>> WinAPRS. TNC is KPC-3. I have mouse on COM 1, internal modem using COM 4
>> now and set up extra 25pin serial port off I/O card to use COM 2 (for
>> TNC). Adjusted IRQs so WIN95 shows no conflicts and shows COM 2 as
>> active port. For some reason, still can't get TNC to respond to port.
>> APRS says "TNC not responding" and will try to "send to TNC" a second
>> time then program stalls. Have tried hard reset on TNC but to no avail.
>> Also have tried aprs787 and 790, no luck.
>
>Could it be that the COM port you're using is probably intended for
>something by way of a FAX machine instead or does your modem take care
>of that??? Also, what's on COM 3 ???
>
>I'm speaking from a little experience in trying (unsuccessfully) to get
>TNCs to work with my 386, that's why I ask....
>
>73's for now my friend!! :-)
>
>Patrick Cook, KB0OXD
>Denver, Colorado
>
>
I have seen this error message alot. I have been in contact with Bob B. on
this one. I get this message on a locked up machine, after its been running
awhile. I never get this on startup of the machine. I assume that your
machine has been running awhile, then it locks up? can you confirm? Also,
from what I have been able to track down, this error comes from the tnc not
going into the correct mode, and not sending as it should. I have captured
data from the APRS serial port to the tnc, and it looks ok. But its the
problem of the tnc not getting into COMMAND mode from conv mode.
The amount of time varies between lockups. My kpc-3 at work doent do this.
But I have tried two tnc2 tncs, with even different formware in them, and
it still does this. Ive changed the motherboard, video, ram, serial card,
and serial cable, and no luck. I guess hard drive is next.
APRS sends a single Control C to the tnc with commands following at full
baud rate throughput. I've tried 2400,4800 and 9600 baud and it still locks
up. According to Bob, APRS should heal itself, if the tnc doesnt respond.
But only the hard reset gets aprs to respond (after reboot of course)
I'll just keep working on this....

Byron Smith
wa6ylb@theworks.com
wa6ylb@wa6ylb.#cca.ca.usa.noam

... Do radioactive cats have 18 half-lives?

31. Re: [APRSSIG:12154] Re: BETA2 and DOZ and Windows

From: Jack Anderson <jra@crosslink.net>
Date: Fri, 02 May 1997 11:09:18 -0400
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Cc: sd@tapr.org
Message-ID: <2.2.32.19970502150918.006afb9c@jra.pop.crosslink.net>
Rendered body type: text/plain

At 08:49 AM 5/2/97 -0500, Bob Bruninga wrote:

>
>Here is what I think you are telling me:
>
>1) In full screen mode, BETA does release CPU cycles in DOZ mode
>2) In Windowed foreground BETA does NOT release CPU cycles in DOZ mode
>3) In background, no one has reported anything yet or I missed it..

RE BETA2.ZIP

In the background, when not Dozing, CPU use drops to 2-4%.

With DOZ activated, it stays at 100% regardless of the interrupt setting.

PC is a P166 running Win95, note that APRS was set up for NONE on serial ports, at work I have no TNC.

Jack

32. DGPS: A question for the Balto/Wash folks

From: clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
Date: Fri, 02 May 97 15:44:27 UTC
To: aprssig@tapr.org
Message-ID: <27251@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

I've had the W3IWI-13 DGPS beacon on the air for a number of months now, and several Balto/Wash area people are finding it to be useful. And there has been no "hate mail" about the wierd heiroglyphics that appear on the screen. The DGPS beacons are presently sent at a rate of one transmission every 20 seconds. This rate was chosen as a compromise -- DGPS performance needs to see a beacon every ~30 seconds, and more is better.

But more often mean more QRM to other APRS 145.79 activities in the area. If there is interest in using DGPS, I'd like to increase the rate to one per 15 seconds. I'd like your inputs on this.

Also, at present the beacon goes out to WIDE,WIDE, with the first WIDE being WB4APR-1 in Annapolis normally. Are there any people using the 2nd WIDE signal? If not, then there is no reason to spread the DGPS beacon QRM beyond the immediate Chesapeake Bay area. Again, comments are solicited.

When I posted the note about W3IWI-13, several people asked about providing similar service in other areas. My response was that you needed a (fairly expensive) GPS receiver capable of generating RTCM SC-104 signals from the raw GPS pseudoranges and hence it was not a simple problem. I'm curious if anyone else has put a DGPS beacon on the air yet?

73 de Tom, W3IWI

33. Re: [APRSSIG:12158] DGPS: A question for the Balto/Wash folks

From: Jack Anderson <jra@crosslink.net>
Date: Fri, 02 May 1997 12:33:49 -0400
To: clark@tomcat.gsfc.nasa.gov, aprssig@tapr.org
Message-ID: <2.2.32.19970502163349.006a6104@jra.pop.crosslink.net>
Rendered body type: text/plain

Tom,

Unless you anticipate significant improvement by changing from 20 to 15 seconds, I vote to keep it at 20, or perhaps spread it out to 30 seconds. The DGPS packets do propagate very well throughout the DC-BALT area and take up quite a bit of airtime.

I don't use the DGPS service, those who do may prefer to see it more frequently. We just need to weigh the value it adds against the airtime it occupies. I'm all for it if you have a lot of users.

Since the DGPS packets lose their value beyond a certain distance from the DGPS receive site, you might consider changing the WIDE,WIDE to a set of discreet callsigns that send the packet only where it is usable. That might help with the QRM. How close to the DGPS reciever does a user have to be for the DGPS signal to be usable?

By the way, I just put a WIDE-RELAY digipeater up on a 180' office building in Reston, VA. The link between it and APR-1 is rock solid. It bridges a previously unreliable link in our network between APR-1 and the digipeaters in VA, also, it provides a rock solid link to my N4ULS-15 WIDE-RELAY on Mar-Lu Ridge in Southern Frederick County, MD. This might help you if you use the discreet digi callsigns suggestion. Again, it all depends on how far away one can be and still make use of the data.

Jack N4ULS

At 11:04 AM 5/2/97 -0500, Tom Clark -- W3IWI wrote:
>I've had the W3IWI-13 DGPS beacon on the air for a number of months now,
>and several Balto/Wash area people are finding it to be useful. And there
>has been no "hate mail" about the wierd heiroglyphics that appear on the

>screen. The DGPS beacons are presently sent at a rate of one transmission
>every 20 seconds. This rate was chosen as a compromise -- DGPS performance
>needs to see a beacon every ~30 seconds, and more is better.
>
>But more often mean more QRM to other APRS 145.79 activities in the area.
>If there is interest in using DGPS, I'd like to increase the rate to one
>per 15 seconds. I'd like your inputs on this.
>
>Also, at present the beacon goes out to WIDE,WIDE, with the first WIDE
>being WB4APR-1 in Annapolis normally. Are there any people using the 2nd
>WIDE signal? If not, then there is no reason to spread the DGPS beacon
>QRM beyond the immediate Chesapeake Bay area. Again, comments are solicited.
>
>When I posted the note about W3IWI-13, several people asked about providing
>similar service in other areas. My response was that you needed a (fairly
>expensive) GPS receiver capable of generating RTCM SC-104 signals from the
>raw GPS pseudoranges and hence it was not a simple problem. I'm curious
>if anyone else has put a DGPS beacon on the air yet?
>
>73 de Tom, W3IWI
>

34. Map offsets

From: "Doug Wetzel" <dwetzel@earthlink.net>
Date: Fri, 2 May 1997 09:56:58 -0700
To: <aprssig@tapr.org>
Message-ID: <199705021656.JAA28214@norway.it.earthlink.net>
Rendered body type: text/plain

There was a datum discussion thread here some time ago, and I unwisely did
not save the messages, and of course, I now need them. Here's the problem:

All of the maps we've done for Seattle/Tacoma, and the maps which are on
the Sproul CD seem to be offset to the east by about a half a block. Have
I missed something in the setup, or is there a datum conversion that needs
to be done on all maps? If so, how? This is a problem for both DOS and
WinAPRS, and is severe enough that our mobile trackers usually show up on
the wrong streets...

Thanks everyone...

Doug
K7IP

35. Re: [APRSSIG:12159] Re: DGPS: A question for the Balto/Wash folks

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 02 May 1997 13:25:13 -0400
To: jra@crosslink.net
Cc: aprssig@tapr.org
Message-ID: <336A2379.6D09@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

Jack -- thanks for the comments:

> Unless you anticipate significant improvement by changing from 20 to 15
> seconds, I vote to keep it at 20, or perhaps spread it out to 30 seconds.
> The DGPS packets do propagate very well throughout the DC-BALT area and take
> up quite a bit of airtime.

My original tests were at 30 sec, and it was essentially useless. The
typical
user GPS rcvr requires a DGPS update every 30 seconds, and a 30 second
beacon
rate meant that there was zero redundancy. Hence I went to 20 seconds.

As the rate increases, the user performance improves. On the Coast Guard
(~300 kHz) or commercial (DCI or Acqupoint) the rates (for complete
msgs)
is in the 4-8 second range, and that can give 1-3 meter performance.
Depending on the packet channel losses and the user's distance from the
W3IWI-13 Greenbelt QTH, going from 20 to 15 sec would improve the user
performance from a 10-20m range to something more like 5-10m (as
contrasted
to more like 50m without DGPS corrections). So I think that the
performance
improvement would be noticeable -- the question is whether it is worth
the
"cost" of the added QRM, which is very subjective topic!

> Since the DGPS packets lose their value beyond a certain distance from the
> DGPS receive site, you might consider changing the WIDE,WIDE to a set of
> discreet callsigns that send the packet only where it is usable. That might
> help with the QRM. How close to the DGPS reciever does a user have to be
> for the DGPS signal to be usable?

The DGPS signals correct for several error sources --
   a. The DOD's nasty Selective Availabilty (SA) signal dithering
   b. Errors in the ephemerides broadcast by the GPS satellites
   c. Errors due to propagation of the RF signals thru the troposphere
and
      ionosphere.

Items a. and b. require that the DGPS beacon site and the user have the
same
satellites in view, and hence DGPS corrections can improve things for a
few
hudred km. The tropospheric progpagation errors have scale sizes
comparable
to localized weather phenomena -- highly correlated for ~20 km, fairly
well correlated for ~50-100 km, and really uncorrelated at a few hundred
km.

So the quality of the DGPS correction (and hence the accuracy) decreases
with
increasing distance, but they are certainly useful out to ~50-100 km.

73, Tom

36. Regarding Differential Correction...

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 13:43:23 -0400 (EDT)
To: Tom Clark -- W3IWI <clark@tomcat.gsfc.nasa.gov>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502132621.17932L-100000@arctic>
Rendered body type: text/plain

On Fri, 2 May 1997, Tom Clark -- W3IWI wrote:

> I've had the W3IWI-13 DGPS beacon on the air for a number of months now,
> every 20 seconds. This rate was chosen as a compromise -- DGPS performance
> needs to see a beacon every ~30 seconds, and more is better.
> If there is interest in using DGPS, I'd like to increase the rate to one
> per 15 seconds. I'd like your inputs on this.

APRSdos REPLY/COMMENT: I have no objection to such an experiment, but
would like to eventually arrrive at something like the following: We have
a volunteer who will program a Pic processor to do the following, but need
to know how to interface the ON/OFF/HALF-ON signal to your RTCM-104
Engine.

1) W3IWI-13 would normally transmit once every 5 minutes or so (yes, I
know that is useless, but it simply is a heart-beat telling everyone that
it is there and on line)

2) Whenever the PIC hears an APRS packet with the DGPS querie in it
(?DGPS?) then the PIC will toggle a BIT to ON that will remain on for the
next 20 miuntes. This will change the rate of the RTCM engine to once
every 20 seconds during that period.

3) Whenever the PIC sees a packet with the individual station query in
it: W3IWI-13 :?DGPS? then it will output another bit that will change the
rate to once every 10 seconds for 1 minute to allow precise positioning.

Tom, I doubt that these BITS can be used to change the timing.... they
were only an example.   But the PIC processor can also output SERIAL
commands to your DGPS box. If you can identify the nature of this
interface, then the PIC can be programmed with the needed serial commands
to perform the needed functions then anyone can get precise RTCM on demand.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

37. Re: [APRSSIG:12149] NEMA definitions for GGA RMC etc

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 02 May 1997 13:39:05 -0400

To: brfair@flash.net
Cc: aprssig@tapr.org, bennett@triumf.ca
Message-ID: <336A26B9.3E0D@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

Bryan Fair wrote:
>
> I know I have seen this stuff on here before, but If someone has the info
> for a full decode on NEMA sentences GGA RMC etc. please send them to me.
> I have checked Peter Bennett's FTP but can only find incomplete listings
> not full definitions.
> TIA
> DE KC5CVX

A very complete listing of all the NMEA types is supposed to be on
Peter's FTP site:

ftp://sundae.triumf.ca/pub/peter/nmeatype.txt

However the file seems to have been truncated! Peter -- can you check
this out?

As an alternate until he fixes the file, there is some good descriptive
material in

ftp://sundae.triumf.ca/pub/peter/nmeaws.txt
and ftp://sundae.triumf.ca/pub/peter/magellan.nmea
and ftp://sundae.triumf.ca/pub/peter/garmin65.nmea

In the receiver-specific postings, ignore any $P???? message types --
the $P denotes
a manufacturer's propriety "special" messages.

73, Tom

38. Re: [APRSSIG:12129] OutGGA/SA4 questions

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 02 May 1997 13:53:00 -0400
To: jimgill@probe.net
Cc: aprssig@tapr.org
Message-ID: <336A29FC.55B7@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

James P. Gill wrote:
....snip.....

> $GPRMC,183505,A,4113.9385,N,09553.0498,W,48.356,271.9,280497,5.0,E*55
> $GPGGA,183506,4113.9395,N,09553.0674,W,1,08,0.81,299.8,M,-28.9,M,,*42
> $GPRMC,183506,A,4113.9395,N,09553.0674,W,48.374,271.9,280497,5.0,E*57
> $GPGGA,183507,4113.9399,N,09553.0859,W,1,08,0.81,299.9,M,-28.9,M,,*4F
> $GPRMC,183507,A,4113.9399,N,09553.0859,W,48.461,271.8,280497,5.0,E*59
> $GPGGA,183508,4113.9399,N,09553.1025,W,1,04,0.81,300.8,M,-28.9,M,,*4E
> $GPRMC,183508,A,4113.9399,N,09553.1025,W,45.590,271.5,280497,5.0,E*5B
> $GPGGA,183509,4113.9404,N,09553.1201,W,1,05,0.81,302.9,M,-28.9,M,,*4A
> $GPRMC,183509,A,4113.9404,N,09553.1201,W,48.214,272.4,280497,5.0,E*59
> $GPGGA,183510,4113.9414,N,09553.1377,W,1,06,0.81,303.3,M,-28.9,M,,*4B
> $GPRMC,183510,A,4113.9414,N,09553.1377,W,49.138,272.1,280497,5.0,E*59
>
> Question 1. What does everything after the 09553.0322,W,1,08 (as in the
> first line) represent in the $GPGGA sentence? I understand the $GPRMC
> sentence is giving me speed and course, like 48.356 mph at a course of
> 271.9 degrees (line 2).

> $GPGGA,183505,4113.9385,N,09553.0498,W,1,08,0.81,299.7,M,-28.9,M,,*4F
          time   lat   lon   Q ## hdop hgt   ggg

I've labelled the fields:
         183505   is the UTC time (18:35:05)
         4113.9385,N   is you latitude 41 deg, 13.9385 min North
         09553.0498,W is your longitude 095 deg, 53.0498 min West
         1   is the quality (0=not tracking, 1=tracking,
2=DGPS active)
         08   is the number of satellites being tracked
         0.81   is the Horizontal Dilution of Precision (HDOP), a
relative
                          indication of the quality due to geometry
(smaller is better)
         299.7,M   is you height above mean sea level in meters

```
         -28.9,M       is the separation between the WGS84 geoid and
mean sea level
         ,,            are two null fields that would be filled in if
you were using DGPS
         *4F           is the modulo 256 checksum in hex

> Q 2. What makes the GGA sentence the choice for sending over to SA4
> where only RMC gives course and speed?  If you select Monitor GPS in SA4
> while receiving OutGGA data from APRS, the course and speed always show
> 0.00000 since the GGA doesn't contain this.  Shouldn't you be sending
> RMC instead for full use of SA4 and posits from Trackers/Mobiles?

RMC doesn't have height info, HDOP and the number of satellites tracked,
but
it does have the current date. All the info is useful!

73, Tom
```

39. NMEA Sentence Info

```
From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Fri, 2 May 1997 10:57:00 -0500
To: aprssig@tapr.org
Message-ID: <M585341.010.kfiza.1.970502180425Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain
```

Per your request, this is the info on the NMEA Sentences:

```
$GPGGA - Global Positioning System Fix Data
       $GPGGA,123519,4807.038,N,01131.324,E,1,08,0.9,545.4,M,46.9,M, , *42
           123519       Fix taken at 12:35:19 UTC
           4807.038,N   Latitude 48 deg 07.038' N
           01131.324,E  Longitude 11 deg 31.324' E
           1            Fix quality: 0 = invalid
                                     1 = GPS fix
                                     2 = DGPS fix
           08           Number of satellites being tracked
           0.9          Horizontal dilution of position
           545.4,M      Altitude, Metres, above mean sea level
           46.9,M       Height of geoid (mean sea level) above WGS84
                        ellipsoid
           (empty field) time in seconds since last DGPS update
           (empty field) DGPS station ID number

$GPRMC - Recommended minimum specific GPS/Transit data
      $GPRMC,225446,A,4916.45,N,12311.12,W,000.5,054.7,191194,020.3,E*68
           225446       Time of fix 22:54:46 UTC
           A            Navigation receiver warning A = OK, V = warning
           4916.45,N    Latitude 49 deg. 16.45 min North
           12311.12,W   Longitude 123 deg. 11.12 min West
           000.5        Speed over ground, Knots
           054.7        Course Made Good, True
           191194       Date of fix  19 November 1994
           020.3,E      Magnetic variation 20.3 deg East
           *68          mandatory checksum

I got this information from ftp://sundae.triumf.ca/pub/peter/nmeafaq.txt.



73,

Brian McCarthy
N7TUQ
```

40. Re: [APRSSIG:12162] Regarding Differential Correction...

```
From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 02 May 1997 14:46:59 -0400
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <336A36A3.1789@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain
```

Replying to WB4APR who was replying to my posting:

```
> > I've had the W3IWI-13 DGPS beacon on the air for a number of months now,
> > every 20 seconds. This rate was chosen as a compromise -- DGPS performance
> > needs to see a beacon every ~30 seconds, and more is better.
```

> > If there is interest in using DGPS, I'd like to increase the rate to one
> > per 15 seconds. I'd like your inputs on this.
>
> APRSdos REPLY/COMMENT: I have no objection to such an experiment, but
> would like to eventually arrrive at something like the following: We have
> a volunteer who will program a Pic processor to do the following, but need
> to know how to interface the ON/OFF/HALF-ON signal to your RTCM-104
> Engine.

I gather that the PIC (or whatever) would in essence be an RS232 switch
(with the positions labelled "ON" and "MORON"?). Of course this means
that
all DGPS users have to have transmit capability, which is not the case
now.
Some of our users are "listen only".

> 1) W3IWI-13 would normally transmit once every 5 minutes or so (yes, I
> know that is useless, but it simply is a heart-beat telling everyone that
> it is there and on line)

That would really only need to be the normal beacon.

> 2) Whenever the PIC hears an APRS packet with the DGPS querie in it
> (?DGPS?) then the PIC will toggle a BIT to ON that will remain on for the
> next 20 miuntes. This will change the rate of the RTCM engine to once
> every 20 seconds during that period.
>
> 3) Whenever the PIC sees a packet with the individual station query in
> it: W3IWI-13 :?DGPS? then it will output another bit that will change the
> rate to once every 10 seconds for 1 minute to allow precise positioning.

It's tough to set multiple rates into the rcvr I'm using. So the RS232
switch
has to have some smarts and only toggle on/off when the DGPS rcvr output
is quiet (i.e. between discrete messages). But the data sent by the rcvr
is
a burst of bits (< 1 second at 4800 baud) punctuated by fairly long
quiet periods.

This is made a bit more difficult because there are about 8 different
types of
RTCM SC-104 msgs that are transmitted, most of which are sent only every
Nth
transmit cycle. If you look closely at the beacons I am sending there
are times
when two or three <UI> frames are sent as separate packets during one
xmit
period. I have staggered these as best I can by making the "N" divisors
be a
series of incommensurate (actually prime) integers. Although some of
these
message types are not needed frequently, they are needed. So we have to
make
sure that all of them are sent during each "on" period of the switch.

> Tom, I doubt that these BITS can be used to change the timing.... they
> were only an example.   But the PIC processor can also output SERIAL
> commands to your DGPS box. If you can identify the nature of this
> interface, then the PIC can be programmed with the needed serial commands
> to perform the needed functions then anyone can get precise RTCM on demand.

This really won't work -- it is not easy to change the sampling rate on
the
Trimble 4000SSE rcvr on the fly. Best to just leave it running at N
seconds
rate and interrupt the RS232 flow outside.

So as I see it, the widget needs two RS232 input ports (TNC data output
and
DGPS beacon output) and one output port (RS232 data to TNC). The widget
needs
to listen to both ports -- the TNC for a "?DGPS?" string and the DGPS
generator
rcvr to make sure it is between messages. It would then pass thru the
DGPS
data to the TNC when it got the trigger request.

If we did this, could we agree on 10 second update rates on request, and
off

at other times? I really think people will find the higher rates a BIG
improvement.

The alternative I've thought about (and discarded) was to have the DGPS
signal
available when a station connected. However this negates the use of <UI>
datagrams and opens pandorra's box with packet's normal
<ack>/retry/timeout
connected-mode problems.

73, Tom

41. Re: [APRSSIG:12158] DGPS: A question for the Balto/Wash folks

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 02 May 1997 14:55:17 -0400
To: Kent Hufford <khufford@erols.com>
Cc: aprssig@tapr.org
Message-ID: <336A3895.3D1C@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

Kent Hufford, KQ4KK wrote:
>
> Tom,
>
> I live in the Woodbridge VA area. I have been trying to get the DGPS to
> work from your signal. I am still working on it.
> I appreciate what you are doing.

Kudos are always pleasant to receive! Good luck and let me know when you
are successful.

> However, a HAM on the SAILING forum of CompuServe says that a HAM sending
> the DGPS signal is in competition with commercial signals and it is not
> allowed by the FCC. I have said, if so, he is in Greenbelt, the FCC should
> see it, hasn't stopped it , so must be ok. Just like a 2m repeater is in
> competition with a cel phone. You had anyother yahoo's say anything like
> this.?

The DGPS bits we are sending are locally generated. They are not
"stolen"
from anybody! And the Coast Guard also provides similar bits free (paid
by
the taxpayers!).

The commercial DGPS bits are "sold" by two firms (DCI and Acqupoint). It
so
happens that the president of one of these firms is an APRSer and
"monitors"
the aprssig (or at least he used to). And he never told me I was
stepping
on his turf!

The commercial services have higher data rates and have some guarantee
of
performance. I offer no warranty at all and am performing an experiment.

Hope that answers it -- 73, Tom

42. FS: 386 desktop computer

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 2 May 1997 13:18:10 -0600 (MDT)
To: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970502123031.14750A-100000@nova.dimensional.com>
Rendered body type: text/plain

Hello everyone:

Apologies for using the APRS SIG list for this purpose, but I am selling
my 386 computer (the very one I'm using right now) in order to upgrade to
a better (not to mention more modern) system.

It has the following:

* 40 Megabyte scuzzy HD (not yet installed) with matching motherboard
* 14.4 USRobotics external modem with cable
* 2 floppy drives (5 1/4")

Will sell as PACKAGE DEAL ONLY!!! Asking price: $700

If interested, email me at patcook@dimensional.com

I look forward to your reply....

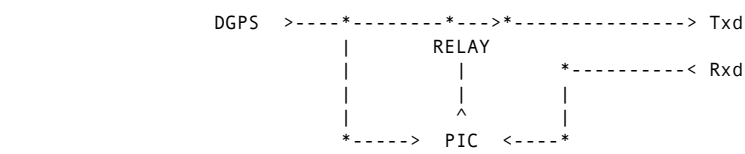
Patrick Cook
patcook@dimensional.com
Denver, Colorado

P.S.: SPAMMERS AND OTHER USENET LOSERS NEED NOT REPLY!!!

43. Re: [APRSSIG:12162] Regarding Differential Correction...

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 15:25:46 -0400 (EDT)
To: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502150720.17932R-100000@arctic>
Rendered body type: text/plain

OK, how about something like this suggestion for the PIC DGPS controller?



The DGPS Engine RTCM data to the SEND side of the TNC is interrupted by a relay controlled by a single bit on the PIC.

The PIC has a serial port listening to the TNC packet data looking for any QUERY packets. (it could also use monitored NMEA packets to tell time)

The PIC has a single BIT listening to the bursty data from the DGPS engine. THis bit is not decoded, but just used to sense activity so it knows when it can close the relay without garbling data.

SETUP: 1) The TNC BText is set to once every 20 minutes to ID the station
        2) The DGPS engine is set to every 10 seconds.
        3) The PIC leaves the RELAY normally open
        4) Firmware in the PIC performs the following:
           * if it sees a packet with a general ?DGPS? query, then it closes the relay for one minute.
           * If it sees a packet with :W3IWI-13 :?DGPS? in it, then it closes the relay for 38 seconds out of every minute for the next 10 minutes. (To guarantee 3 RTCM-104 packets)

OPTION: If the PIC can somehow tell time, then have the PIC close the relay for 1 full minute every 30 minutes by clock time so listen-only stations can know when to get a good fix.

44. FS: DUMB TERMINAL and additional DTE monitor

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 2 May 1997 13:41:29 -0600
To: aprssing@tapr.org
Message-ID: <Pine.SUN.3.96.970502133527.15817A-100000@nova.dimensional.com>
Rendered body type: text/plain

Hello again everyone:

In addition to my 386 I have a Qume VT-109 DTE with keyboard (the k doesn't type though :() and a Qume VT-102 monitor (NO keyboard). Asking price: $40

If interested in either of these items, email me at patcook@dimensional.com

73's for now my friends!! :-)

Patrick Cook, KB0OXD
Denver, Colorado

P.S.: SPAMMERS AND OTHER USENET LOSERS NEED NOT REPLY!!!

45. Re: [APRSSIG:12149] NEMA definitions for GGA RMC etc

From: Peter Bennett <bennett@triumf.ca>
Date: Fri, 02 May 1997 13:18:29 -0700
To: clark@tomcat.gsfc.nasa.gov
Cc: brfair@flash.net, aprssig@tapr.org
Message-ID: <336A4C15.77EE@triumf.ca>

Rendered body type: text/plain

Dr Thomas A Clark (W3IWI) wrote:
>
> Bryan Fair wrote:
> >
> > I know I have seen this stuff on here before, but If someone has the info
> > for a full decode on NEMA sentences GGA RMC etc. please send them to me.
> > I have checked Peter Bennett's FTP but can only find incomplete listings
> > not full definitions.
> > TIA
> > DE KC5CVX
>
> A very complete listing of all the NMEA types is supposed to be on
> Peter's FTP site:
>
>   ftp://sundae.triumf.ca/pub/peter/nmeatype.txt
>
> However the file seems to have been truncated! Peter -- can you check
> this out?

I think that's all there ever was in that file - the file size matches
the size shown on the index page.

>
> As an alternate until he fixes the file, there is some good descriptive
> material in
>
>   ftp://sundae.triumf.ca/pub/peter/nmeaws.txt
>   and ftp://sundae.triumf.ca/pub/peter/magellan.nmea
>   and ftp://sundae.triumf.ca/pub/peter/garmin65.nmea
>
> In the receiver-specific postings, ignore any $P???? message types --
> the $P denotes
> a manufacturer's propriety "special" messages.
>
> 73, Tom

Also, try
        ftp://sundae.triumf.ca/pub/peter/nmeafaq.txt

The NMEA FAQ describes most of the common NMEA-0183 sentences.
(I don't want to tell _all_ for fear of upsetting NMEA...)

Also, if you go to
        ftp://sundae.triumf.ca/pub/peter/index.html
and look around you may find some more info.

--
Peter Bennett VE7CEI   bennett@triumf.ca
TRIUMF, Vancouver, B.C., Canada
GPS and NMEA info and programs:
ftp://sundae.triumf.ca/pub/peter/index.html or
ftp://ftp-i2.informatik.rwth-aachen.de/pub/arnd/GPS/peter/index.html
or http://vancouver-webpages.com/peter/index.html

46. Re: [APRSSIG:12161] Re: DGPS: A question for the Balto/Wash folks

From: Jack Anderson <jra@crosslink.net>
Date: Fri, 02 May 1997 16:29:43 -0400
To: clark@tomcat.gsfc.nasa.gov, aprssig@tapr.org
Message-ID: <2.2.32.19970502202943.006a09b0@jra.pop.crosslink.net>
Rendered body type: text/plain

At 12:30 PM 5/2/97 -0500, Dr Thomas A Clark (W3IWI) wrote:

>Jack -- thanks for the comments:
>
>My original tests were at 30 sec, and it was essentially useless. The
>typical
>user GPS rcvr requires a DGPS update every 30 seconds, and a 30 second
>beacon
>rate meant that there was zero redundancy. Hence I went to 20 seconds.

At 20 seconds it's not killing anyone, so I don't think upping it to 15
seconds is going to have any material impact over the current rate.

Just thinking out loud, if you used BEACON AFTER instead of BEACON EVERY,
your beacon transmitter could automatically adjust itself for channel
loading - on request, you could go back to BEACON EVERY 15, but during other
times, perhaps BEACON AFTER 8 or so (again, very much thinking out loud

here). You could pump out a packet every 8 seconds (or less?) during quiet times, but you're forced to wait for eight seconds of quiet channel during other times, might not be enough to ensure that you get one out at least every 20 seconds, but it's worth thinking about. It makes your DGPS beacon smart enough to relax during periods when the channel is busy, i.e., when lots of message, weather or bulletin traffic is present.

>So the quality of the DGPS correction (and hence the accuracy) decreases
>with
>increasing distance, but they are certainly useful out to ~50-100 km.
>
>73, Tom

Let's assume that 100 KM is the magic number, including all the factors you mention plus the delay the packets experience as they traverse the digipeaters.

A 100 KM radius circle centered on Greenbelt creates a circle bounded roughly by York PA to the north, Fredericksburg VA/Lexington Park MD to the south, Berryville VA to the west and Denton DE to the east.

You might try going BEACON V WB4APR-1,WIDE instead of WIDE,WIDE. If all the wide digipeaters that can hear APR-1 grab it on the second hop, you cover the 100 KM circle pretty well and eliminate the possibility of collisions on your first hop. You may be able to effectively increase the rate and reliability at the same time.

Jack

47. Re: [APRSSIG:12166] Re: Regarding Differential Correction...

From: Jack Anderson <jra@crosslink.net>
Date: Fri, 02 May 1997 16:37:10 -0400
To: clark@tomcat.gsfc.nasa.gov, aprssig@tapr.org
Message-ID: <2.2.32.19970502203710.006a4c58@jra.pop.crosslink.net>
Rendered body type: text/plain

At 02:01 PM 5/2/97 -0500, Dr Thomas A Clark (W3IWI) wrote:

>
>The alternative I've thought about (and discarded) was to have the DGPS
>signal
>available when a station connected. However this negates the use of <UI>
>datagrams and opens pandorra's box with packet's normal
><ack>/retry/timeout
>connected-mode problems.
>
>73, Tom
>

Yet another possibility is to find a VERY good radio site, use a strong transmitter, ideally on 70cm, and broadcast the DGPS correction full or near-full time on a completely separate frequency. DGPS users take a separate radio and TNC to capture the data and feed it into their GPS receiver. The station would have to ID periodically and otherwise follow the rules, but the quality of your data could equal or rival the commercial providers. Along those lines, this has some interesting implications, but, it's worth thinking about.

Jack

48. Re: [APRSSIG:12168] FS: 386 desktop computer

From: Jeff Brenton <jeffb@stans.com>
Date: Fri, 02 May 1997 15:43:32 -0500
To: patcook@dimensional.com
Cc: Aprssig@tapr.org
Message-ID: <336A51F4.E13@stans.com>
Rendered body type: text/plain

I hate to say this, Pat, but...

Supercom Industries will sell you a NEW system, with AMD K5-100 processor, 8MB RAM, video card, 2 serial ports, parallel port, keyboard and bus mouse for under $400; Throw in a 14" monitor at $200, Win95 for $87, and you're still under your asking price...

Check them out at http://www.supercom-ind.com

49. QTH Locator

From: rgarciaderwick@maxima.com.ar (Garcia Derwick R. E.)
Date: Fri, 2 May 1997 17:47:35 -0300
To: "'Aprssig'" <aprssig@tapr.org>
Message-ID: <01BC5721.96F66A40@host.200.32.113.64.impsat.net>
Rendered body type: text/plain

Have checked my exact position with help of a GPS.
It now happens that feeding info to different soft it ALLWAYS comes a
difference in the two last letters.
Is it known some soft RELIABLE ?
Thanks for any help,

Ed
LW5EFL

50. APRS Project Help: Sig Coverage

From: "Rich Garcia" <n2czf@magg.net>
Date: Thu, 1 May 1997 18:17:34 +0000
To: aprssig@tapr.org
Message-ID: <199705022120.RAA28916@grumpy.magg.net>
Rendered body type: text/plain

I would like to throw this out the the group and see what ideas
others may have. I have been asked to plot out the coverage of
several repeaters, many local amateur ones and my boss would like
me to do our work machine. Since I have a few full APRS setups with
GPS units I was thinking there MUST be a clean and accurate way of
plotting this.

Now anyone can drive somewhere and draw it on the map after keying
up, I was thinking of how everything can be automated as done with
cellular testing. Modification of the RX radio is no problem, we can
tap into it for signal strength. I have thought of the TAPR X-1J
upgrade board that will give me a relative signal strength in the
TNC.

I have never used one but it was an idea. I really can't think of
what else can be done to make this work out, the ideal
situation would be a continuous connect with the mobile sending back
packets every 5-10 seconds or so. Since this is only for a limited
test on a discrete frequency the heavy usage would not be a problem.
The most ideal situation would be to send out the signal report along
with the position data to be received at a remote location for loging
on APRS or Street Atlas 4.0.

This group is the most enlightened and experimental one that I have
ever known. I hope that some of us can do some brainstorming and come
up with a workable solution. I am surprised that with the number of
repeaters out there that someone has not tried this out with APRS
yet. It is another useful application for the program and it may
bring even more attention to APRS among repeater users.

Rich Garcia N2CZF
n2czf@magg.net
n2czf@qsl.net
Jupiter Farms Fl.
http://www.magg.net/~n2czf/aprs.html

51. Request for new Symbol or Icon

From: Wes Johnston <kd4rdb@usa.net>
Date: Fri, 02 May 1997 17:24:38 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970502172205.006b38d0@coca.net>
Rendered body type: text/plain

Can we get a symbol for the energizer bunny? Maybe the battery folks could
use APRS for tracking the little beast? Who knows, Bob could end up on
tv!! <grin>
73's de Wes
mailto:kd4rdb@usa.net http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

52. Re: [APRSSIG:12177] Request for new Symbol or Icon

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Fri, 02 May 1997 17:04:56 -0500
To: kd4rdb@usa.net

Cc: aprssig@tapr.org
Message-ID: <336A6508.6E77@stonewest.com>
Rendered body type: text/plain

Wes Johnston wrote:
>
> Can we get a symbol for the energizer bunny? Maybe the battery folks could
> use APRS for tracking the little beast? Who knows, Bob could end up on
> tv!! <grin>

I like it, kind of an APRS screen saver.. just have the bunny show
up, pan across then drop off. Maybe some DF units as well, shooting
bearings?

53. Re: [APRSSIG:12176] APRS Project Help: Sig Coverage

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 2 May 1997 18:15:37 -0400 (EDT)
To: Rich Garcia <n2czf@magg.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970502181248.25974J-100000@arctic>
Rendered body type: text/plain

On Fri, 2 May 1997, Rich Garcia wrote:

> others may have. I have been asked to plot out the coverage of
> several repeaters, many local amateur ones and my boss would like
> me to do our work machine. Since I have a few full APRS setups with
> GPS units I was thinking there MUST be a clean and accurate way of
> plotting this.

APRSdos REPLY/COMMENT: Sure, and you can build it in a match box. Use
the MIM module with one of its analog inputs connected to the radio signal
strength. Run your GPS to the MIM and it will report its position and
signal strenght as often as you like. Put it in someones car for a week
and drive! Back at the office you will have packets containing signal
strength and position

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

54. Re: APRS Project Help: Sig Coverage

From: joefoor@digitalexp.com (Foor, Joe)
Date: Fri, 02 May 1997 20:04:17 -0500
To: aprssig@tapr.org
Message-ID: <336A8F11.3DCC@digitalexp.com>
Rendered body type: text/plain

Bob wrote;

> On Fri, 2 May 1997, Rich Garcia wrote:
>
> > others may have. I have been asked to plot out the coverage of
> > several repeaters, many local amateur ones and my boss would like
> > me to do our work machine. Since I have a few full APRS setups with
> > GPS units I was thinking there MUST be a clean and accurate way of
> > plotting this.
>
> APRSdos REPLY/COMMENT: Sure, and you can build it in a match box.
> Use the MIM module with one of its analog inputs connected to the
> radio signal strength.

The receiver AGC line is perfect for this. Several times in the past I
have tapped it to add relative signal meters to radios (or convert a
squelch pot to an RF gain control). It's usually well buffered and
filtered, as well as easy to identify. In a "worst case" scenario, you
might need to add a transistor, in common emitter configuration, to
isolate the AGC line from the additional load.

regards,
Joe kf4dys

55. New user questions.

From: "James A. Walker, Jr." <jamesw@altered.states.com>
Date: Fri, 2 May 1997 19:53:43 -0500 (CDT)
To: aprssig@tapr.org
Message-ID: <Pine.LNX.3.91.970502195308.7002A-100000@altered.states.com>

Rendered body type: text/plain

I have a few questions that maybe someone can answer:

1. Does anyone care to comment on their experiences with the KAM Plus
from Kantronics vs. the MFJ-1278B/DSP from MFJ Enterprise?

2. Does anyone also care to comment on their particular experience with
different GPS systems?

Thanks in advance,
James Walker
KC0ANE

56. Re: [APRSSIG:12127] Re: 790 bug

From: Tom Weeden <tcweeden@execpc.com>
Date: Fri, 02 May 1997 21:30:19 -0500
To: aprssig@tapr.org
Message-ID: <199705030230.VAA22449@mail.execpc.com>
Rendered body type: text/plain

At 12:41 AM 5/1/97 -0500, Cap Pennell wrote:
>I'm noticing the
>same thing here though. Seems APRS doesn't know how many days are in the
>month! It thinks the day after April 30 is April 31 instead of May 1. The
>solution I found that works is to change the computer's clock to UTC (Zulu)
>instead of local time and run APRS790 that way.
>73, Cap KE6AFE
>

On the evening of April 30th (local time), I noticed on my P-list that some
timestamps were reading April 31st zulu and others were May 1st zulu. (That
is, some were 310225 and right under that may have been a 010225. I
couldn't detect any sort of pattern. The morning of May 1st (local),
everything was reading the date as 01 (except the wrong ones from the night
before that hadn't updated).

I'm running version 7.9.0 on an 8088 with a U-II.

Another bug report: on the H-list, occasionally a certain line of numbers
will begin to repeat on subsequent lines.

```
W9XYZ  5  1  3  .  .  .  4  10 9  etc...
N9ABC  .  .  3  1  1  .  2  5  2  etc...
K9XX   .  .  3  1  1  .  2  5  2  etc...
AA9Z   .  .  3  1  1  .  2  5  2  etc...
```

The pattern sometimes continues down to the bottom of the H-list. The
chances of all those stations being received EXACTLY that number of times
per hour for all those hours would seem astronomical to me. I saw this on
version 7.8.5 but don't recall seeing the bug in earlier versions.

--Tom Weeden, WJ9H
  Madison, WI
  South-Central Wisconsin SKYWARN Net Manager

  APRS: !4301.38N/08929.95W

57. Re: [APRSSIG:12168] FS: 386 desktop computer

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 2 May 1997 21:22:19 -0600 (MDT)
To: Jeff Brenton <jeffb@stans.com>
Cc: Aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970502211430.28141B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 2 May 1997, Jeff Brenton wrote:

> I hate to say this, Pat, but...
>
> Supercom Industries will sell you a NEW system, with AMD K5-100
> processor, 8MB RAM, video card, 2 serial ports, parallel port, keyboard
> and bus mouse for under $400; Throw in a 14" monitor at $200, Win95 for
> $87, and you're still under your asking price...

Yeah, but I've got a radio which I need to get out of the shop and
besides, I can use the upgrade anyway. I also don't want to have to
fuss with actually installing Windows myself (I've heard too many horror
stories of people practically committed to virtual insane asylums in their

BRAVE attempts to do it themselves :-)) and I don't want to have to pay
someone to do it for me.

Yes, it'll come with a lot of stuff that I won't need or want, but that's
what the DELETE command is for, now isn't it?? :-)

On top of that, I could use a system with sound blasters. :-)

But thanks for bringing this to my attention, though... :-)

73's for now my friends!! :-)

Patrick, KB0OXD

58. Re: [APRSSIG:12178] Re: Request for new Symbol or Icon

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Fri, 02 May 1997 22:50:16 -0500
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <336AB5F8.693D@stonewest.com>
Rendered body type: text/plain

> > I like it, kind of an APRS screen saver.. just have the bunny show
> > up, pan across then drop off. Maybe some DF units as well, shooting
> > bearings?
>
> Yes, but what would it's callsign be???
>

EB1EB?

59. Re: [APRSSIG:12181] New user questions.

From: thomasr@ten-nash.ten.k12.tn.us
Date: Fri, 02 May 1997 22:54:30 -0600 (CST)
To: "James A. Walker, Jr." <jamesw@altered.states.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970502222019.539007396D-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

james, i can't comment on the kam plus, but i have a 1270b and a 1270c
that will decode with open squelch right out of the mud. i tried the 1278b
and wasn't pleased with the performance. a friend also had a 1278b that
didn't decode very well. the 1278b/dsp may be the answer to that problem,
however i haven't tried one yet. if i were to buy a new tnc for gps use,
possible mobile or even remote use, i'd take a close look at the
kantronics kpc-3 plus with it's new port features, low power consumption,
and open squelch decode. now, as to the other fellow who had the neat
idea using the paccomm X-1J-4 A to D board, why not the kpc-3 plus? who
needs the MIM module with the new kpc-3 plus? it would be easy to issue a
command from aprs to access the signal strength,battery voltage,
deviation, wind direction, temperature, or what ever else you would want
the a/d board to tell you. for temp, all you would need would be a thermal
resistor for the beginnings of a homebrew wx station with nothing but a
gps unit, tnc, rig, a few sensors...barometric
pressure....hmmmmmmm........ a portable/mobile aprs wx tracker!!!
bob thomas, ks4ng

On Fri, 2 May 1997, James A. Walker, Jr. wrote:

> I have a few questions that maybe someone can answer:
>
> 1. Does anyone care to comment on their experiences with the KAM Plus
> from Kantronics vs. the MFJ-1278B/DSP from MFJ Enterprise?
>
> 2. Does anyone also care to comment on their particular experience with
> different GPS systems?
>
> Thanks in advance,
> James Walker
> KC0ANE
>
>
>

60. lat/lon in Houston needed

From: "James P. Gill" <jimgill@probe.net>
Date: Fri, 02 May 1997 23:37:14 -0500

To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <336AC0F8.BAB3502@probe.net>
Rendered body type: text/plain

To Houston APRSers:

WANTED: lat/lon for Mitchell pavilion in The Woodlands. I will be there
June 5/6. Thanks.

Jim   N0RMO
jimgill@probe.net
http://www.probe.net/~jimgill

61. Re: [APRSSIG:12178] Re: Request for new Symbol or Icon

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 2 May 1997 22:56:22 -0600 (MDT)
To: Dave VanHorn <dvanhorn@stonewest.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970502225510.28141N-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 2 May 1997, Dave VanHorn wrote:

> > > I like it, kind of an APRS screen saver.. just have the bunny show
> > > up, pan across then drop off. Maybe some DF units as well, shooting
> > > bearings?
> > >
> > Yes, but what would it's callsign be???
> > >
> >
> >
>   EB1EB?

And how many symbols are there now??? 15??? If so, the bunny could be
EB1EB-16. :-)

Patrick

62. Re: [APRSSIG:12160] Map offsets

From: Ralph <rwf@mindspring.com>
Date: Sat, 03 May 1997 01:20:44 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970503004750.0076fae8@ccegate.cokecce.com>
Rendered body type: text/plain

At 11:57 AM 5/2/97 -0500, someone wrote:
 Have
>I missed something in the setup, or is there a datum conversion that needs
>to be done on all maps? If so, how? This is a problem for both DOS and
>WinAPRS, and is severe enough that our mobile trackers usually show up on
>the wrong streets...

I have een asking that for several months. I think it was Bev in Canada who
 discovered it and I thought was writing a conversion routine for the maps.

Ralph Fowler, N4NEQ   S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com   Atlanta, GA USA
http://www.mindspring.com/~rwf   for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

63. Re: [APRSSIG:12185] Re: New user questions.

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 03 May 1997 01:16:51 -0700
To: thomasr@ten-nash.ten.k12.tn.us, aprssig@tapr.org
Message-ID: <3.0.32.19970503011648.0069d9d0@mailhost.primenet.com>
Rendered body type: text/plain

At 11:04 PM 5/2/97 -0500, thomasr@ten-nash.ten.k12.tn.us wrote:

>...if i were to buy a new tnc for gps use,
>possible mobile or even remote use, i'd take a close look at the
>kantronics kpc-3 plus with it's new port features, low power consumption,
>and open squelch decode. now, as to the other fellow who had the neat
>idea using the paccomm X-1J-4 A to D board, why not the kpc-3 plus? who
>needs the MIM module with the new kpc-3 plus? it would be easy to issue a

>command from aprs to access the signal strength,battery voltage,
>deviation, wind direction, temperature, or what ever else you would want
>the a/d board to tell you. for temp, all you would need would be a thermal
>resistor for the beginnings of a homebrew wx station with nothing but a
>gps unit, tnc, rig, a few sensors...barometric
>pressure....hmmmmmmm........ a portable/mobile aprs wx tracker!!!
>bob thomas, ks4ng

Home Automation Systems sells a temperature sensing "Decora" plate insert
that is linearly scaled for $29.95.
Just add 5-24 volts DC and the temp sensor will produce a scaled 0-5 V DC
output @ 10 mv/degree F. Sounds perfect for the KPC-3 Plus.

They also sell the scaled IC chip alone for $8.95. I'm sure that this is
an off-the-shelf IC available at any good component outlet and probably for
less $$.

1-800-762-7846

One catch: I think their minimum order is $100

73,

Mark
KC7BXS

64. Re: [APRSSIG:12188] Re: Map offsets

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 3 May 1997 07:53:04 -0400 (EDT)
To: Ralph <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970503075137.28007I-100000@arctic>
Rendered body type: text/plain

On Sat, 3 May 1997, Ralph wrote:

> At 11:57 AM 5/2/97 -0500, someone wrote:
> Have
> >I missed something in the setup, or is there a datum conversion that needs
> >to be done on all maps? If so, how? This is a problem for both DOS and
> >WinAPRS, and is severe enough that our mobile trackers usually show up on
> >the wrong streets...

APRSdos REPLY/COMMENT: OK, how about I add a setup command that says
OFFSET MAP THIS WAY.. THen I dont have to do any conversions, you just
enter this offset once and APRS will apply it to all maps in your area...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

65. Re: [APRSSIG:12178] Re: Request for new Symbol or Icon

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 2 May 1997 21:44:25 -0600 (MDT)
To: Dave VanHorn <dvanhorn@stonewest.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970502214311.28141E-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 2 May 1997, Dave VanHorn wrote:

> Wes Johnston wrote:
> >
> > Can we get a symbol for the energizer bunny? Maybe the battery folks could
> > use APRS for tracking the little beast? Who knows, Bob could end up on
> > tv!! <grin>
>
>
> I like it, kind of an APRS screen saver.. just have the bunny show
> up, pan across then drop off. Maybe some DF units as well, shooting
> bearings?

Yes, but what would it's callsign be???

Patrick, KB0OXD
Denver, Colorado

66. Re: [APRSSIG:12128] Re: 790 bug

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 1 May 1997 18:31:42 -0600 (MDT)
To: Cap Pennell <cap@cruzio.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970501182858.2792B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Thu, 1 May 1997, Cap Pennell wrote:

> Of course, I spoke too soon (as usual). Changing my computer's clock to
> Zulu time only fixed MY position report and that of the "fixed" stations
> without clocks. Local stations using local time on their computer clocks
> with APRS790 are still showing a April 31 Zulu time on my Posit list in

Please disregard my last post. I misread your comments earlier. But in
either case, your equipment will still be a day behind everyone else's
though. While I can't offer any solutions, I *do* wish you the best of
luck in debugging the problem. :-)

73's for now my friend!! :-)

Patrick Cook, KB0OXD
Denver, Colorado

---

67. Re: Map offsets

From: msproul@arnet.arn.net (Maury Sproul)
Date: Sat, 3 May 1997 09:43:51 -0500
To: aprssig@tapr.org
Message-ID: <v01540b01af90fc0259e5@[204.254.144.44]>
Rendered body type: text/plain

>Have I missed something in the setup, or is there a datum conversion that needs
>to be done on all maps? If so, how? This is a problem for both DOS and
>WinAPRS, and is severe enough that our mobile trackers usually show up on
>the wrong streets...

One thing that can cause this kind of problem is when the datum used for
the generation of the maps is different than that used by the tracker GPS.

M. L. "Maury" Sproul |Work 806-477-7254
W5UGQ |Home 806-354-0306
3319 Arlington Dr. |msproul@arn.net
Amarillo, TX 79106
MacAPRS Beta test

---

68. Packet Picnic May 17

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Sat, 03 May 1997 10:55:45 -0700
To: aprssig@tapr.org
Cc: sbarb-list@west.net, scdcc@smartlink.net
Message-ID: <336B7C1F.5C3C@ix.netcom.com>
Rendered body type: text/plain

Southern California digital enthusiasts are invited to attend the
annual "Packet Picnic" hosted by the APA Digital Communications Network,
a club of Amateur Radio operators who have built and maintained one of
the larger packet systems in SoCal.

The picnic will be held on Saturday, May 17 at beautiful Malibou Lake,
located in the Santa Monica Mountains near Agoura. The event will
feature live demonstrations of packet, APRS, GPS+APRS units and informal
discussions about digital communications.

The Packet Picnic is open to all with an interest in digital modes but
attendees are encouraged to bring the entire family, as Malibou Lake
and our genial host John, AA6IB, offer a day full of great things to
do including swimming, boating, fishing, tennis, playground equipment
and more; all at no cost. Grills will be provided for cooking, bring
your own food and drink. For those not familiar with the setting,
Malibou Lake has been used many times as an idyllic lakeside setting
for movies and tv programs.

Picnic gets under way at 11 a.m. and goes through the afternoon hours.
To get there, take US 101 (Ventura Fwy) to Kanan Rd. in Agoura.
Proceed south (toward the ocean). Pass the intersection of Kanan and
Agoura Rd (there's a USA gas station and a traffic signal there) and
proceed about 1/2 mile. Take the very next left turn onto Cornell Rd.,
stay on Cornell passing the fire station, some large homes and

Paramount Ranch. Cross Mulholland Hwy, go down the hill and you'll
be at Malibou Lake, the picnic site is on the left. For GPS users,
Malibou Lake is 3406.538N and 11845.327W

Talk in will be on 147.225 + ; it would be nice if some folks would
beacon their way to the site. We'll be monitoring 145.79 APRS.

Hope to see you at the Packet Picnic! 73, Jeff   AA6JR

69. PacComm HSP & Tripmate?

From: Joe Agrelo <jagrelo@cris.com>
Date: Sat, 03 May 1997 14:14:51 -0700
To: aprssig@tapr.org
Message-ID: <336BAACB.62B6@cris.com>
Rendered body type: text/plain

My HSP switch from PacComm works perfect with my Garmin-45 but not with
the Tripmate. I verified that data is coming out of the Tripmate ok.

Does anyone have an idea why this combination doesn't work?

73 De Joe Agrelo, N2OOC   Jagrelo@cris.com
Agrelo Engineering P.O. Box 231   Pattersonville, NY 12137 USA
(518)864-7551 fax 518)864-7553 http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of microprocessor based RF, Doppler, &
talking products.   Experts in Microchip & Motorola processors

70. Re: [APRSSIG:12193] Re: Map offsets

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 3 May 1997 14:20:38 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970503141650.4385A-100000@arctic>
Rendered body type: text/plain

On Sat, 3 May 1997, Someone wrote...

>Have I missed something in the setup, or is there a datum conversion that
> needs to be done on all maps? If so, how? This is a problem for both
> DOS and WinAPRS, and is severe enough that our mobile trackers usually
> show up on the wrong streets...

APRSdos REPLY/COMMENT: I have added a new command called MAP-CONFIG-
OFFSET-DATUM that allows you to enter a small offset to account
for minor diffferences in map datums. Use it with caution so that you are
not correcting for the constalntly changing GPS selective availablility.
But if you know that your map is off, then this will allow you to
translate it to the left/righ/up/down... and save that in your CONFIG
file.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

71. RE: [APRSSIG:12195] PacComm HSP & Tripmate?

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Sat, 3 May 1997 15:01:26 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <01BC57D2.E0F78DC0@gwyn>
Rendered body type: text/plain

Joe,

Don't know the specific reason, but several factors are/should be checked:
- There is no means to power the tripmate. (you mentioned seeing data so
you have that covered).
- There is no connection to trick the Tripmate into self initialization.
(Looks like that is covered too).
- The switch uses analog switching and variations in PC, TNC, and GPS
voltage levels affect the switching. You may have to diddle some resistor
values - take a look with a scope to see how the switching transistor is
behaving.

Gwyn

From: Joe Agrelo[SMTP:jagrelo@cris.com]
Sent: Saturday, May 03, 1997 9:09 AM

To: aprssig@tapr.org
Subject: [APRSSIG:12195] PacComm HSP & Tripmate?

My HSP switch from PacComm works perfect with my Garmin-45 but not with
the Tripmate. I verified that data is coming out of the Tripmate ok.

Does anyone have an idea why this combination doesn't work?

73 De Joe Agrelo, N2OOC   Jagrelo@cris.com
Agrelo Engineering P.O. Box 231   Pattersonville, NY 12137 USA
(518)864-7551 fax 518)864-7553 http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of microprocessor based RF, Doppler, &
talking products.   Experts in Microchip & Motorola processors

72. DIG I PROBLEM

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sat, 03 May 1997 15:30:49 EDT
To: aprssig@tapr.org
Message-ID: <19970503.152826.4503.1.KD4EMI@juno.com>
Rendered body type: text/plain

A few days ago, I got really pissed off at a couple of people.
I felt frustrated that my ideas about position rates etc were being
dismissed. In my frustration I decided to sell all the stuff I had for
APRS. As I started to disassemble my tracker in the car (which has remote
on/off switch, remote LED's integrated on the dash, built in GPS on the
back tire under the cover etc) I remember how I solved quite a few
problems with my lightning detector (which works), and how well the whole
radio stuff works in my car.

I had unsubscribed to the sig, posted msgs to sell stuff, etc.
Yesterday (after someone called me at midnight) wondering if I had still
had stuff for sale, I thought that I should be part of the solution
instead of just blowing off the whole thing.

I've been working and thinking about how to reduce the congestion
problem, still allowing the EGO stations, people who want to xmit DGPS
every 20 secs (which I would like to do) as much as they want, and still
be able to support the 50 stations on my map, at any one time. Since
yesterday and thru today, I've been working with a vengeance on solving
this. Also, since I have quite a bit of experience with Basic stamps, I
had hoped that this would be neat to try and solve the problem. Here is
what I came up with as a first generation fix, and hope that if
promulgated, will generate better suggestions.

USing the idea that someone uses wide,wide,wide or even wide,wide that
bounce back and forth, here is the plan.

Basic stamp, connected to LED XMIT. The stamp senses the LED going ON,
then injects tone into radio receive. This is decoded as
"DATA" letting the TNC XMIT on the next wide go around to be inhibited.
The TNC THINKS that it hears "Data" thus letting the next "WIDE" bounce
to not be heard. The tone is held for 1 or 2 secs (haven't decided which
is better yet, with 1 sec it has been missing a few of the last wides on
a wide,wide,wide proto path) After it stops the tone, the receiver is
back to normal operation. Here is the blow by blow in other words...

Joe Blow uses wide,wide,wide. Joe lives by digi "A"
Joe xmits position
DIGI A hears it and xmits
DIGI B hears it and xmits
DIGI A didnt hear DIGI B cause for 1 second it's ears are masked by tone
from stamp.
DIGI C Xmits
If DIGI A can hear DIGI C it will re-xmit again.
(I think that a 2 sec delay MAY be too long, but will experiment with it)
Here is a workable solution to the multiple repeating problem, until the
tnc guys write it in the code. (I'd love invite's from any tnc
manufacturer to write TNC code for free)
The second situation involves my lightning detector.
I made one which sucked, bought one which works great.
The detector is about $150. It has 3 leds and sound alarm, corresponding
to the range of the lightning strikes.
I ripped out the LED's, and extended the wire from them to my PIC.
When LED 1 lights, stamp sends msg.
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a msg.
(Stamps have X10 compatable output that work with those RAt shack

switches that plug into wall.)
The stamp has been on-line for 2 weeks and sends a warning
as needed. (Program writers give me some text that will send alert to
APRS instead of the BULLS that the stamp sends)

For the moment, will see what gives b4 I make any decisions about selling
stuff.
Mike   KD4EMI@JUNO.COM

73. Re: APRS digi Icon

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 3 May 1997 16:25:42 -0400 (EDT)
To: John Langtry <ve3nec@peel.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970503162405.8627A-100000@arctic>
Rendered body type: text/plain

THe DIGI star was made larger so that it can support overlays. THis means
you can make it apear with any number or letter on it. THis is for future
varieties of super-digis. In the mean time, you can use the old /# format
and be sure to include W-R in the text and it will show as the old little
greeen star.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

74. Re: [APRSSIG:12198] DIG I PROBLEM

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 3 May 1997 16:30:18 -0400 (EDT)
To: "Michael A. Kantor" <kd4emi@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970503162856.8627B-100000@arctic>
Rendered body type: text/plain

EXCELLENT idea! In fact, repleace the stamp with a capacitor, a reistor
and a transistor! and let it just clamp the receive audio for 1 second!
This is the kind of inventive thinkg we need!

On Sat, 3 May 1997, Michael A. Kantor wrote:

> A few days ago, I got really pissed off at a couple of people.
> I felt frustrated that my ideas about position rates etc were being
> dismissed. In my frustration I decided to sell all the stuff I had for
> APRS. As I started to disassemble my tracker in the car (which has remote
> on/off switch, remote LED's integrated on the dash, built in GPS on the
> back tire under the cover etc) I remember how I solved quite a few
> problems with my lightning detector (which works), and how well the whole
> radio stuff works in my car.
>
> I had unsubscribed to the sig, posted msgs to sell stuff, etc.
> Yesterday (after someone called me at midnight) wondering if I had still
> had stuff for sale, I thought that I should be part of the solution
> instead of just blowing off the whole thing.
>
> I've been working and thinking about how to reduce the congestion
> problem, still allowing the EGO stations, people who want to xmit DGPS
> every 20 secs (which I would like to do) as much as they want, and still
> be able to support the 50 stations on my map, at any one time. Since
> yesterday and thru today, I've been working with a vengeance on solving
> this. Also, since I have quite a bit of experience with Basic stamps, I
> had hoped that this would be neat to try and solve the problem. Here is
> what I came up with as a first generation fix, and hope that if
> promulgated, will generate better suggestions.
>
> USing the idea that someone uses wide,wide,wide or even wide,wide that
> bounce back and forth, here is the plan.
>
> Basic stamp, connected to LED XMIT. The stamp senses the LED going ON,
> then injects tone into radio receive. This is decoded as
> "DATA" letting the TNC XMIT on the next wide go around to be inhibited.
> The TNC THINKS that it hears "Data" thus letting the next "WIDE" bounce
> to not be heard. The tone is held for 1 or 2 secs (haven't decided which
> is better yet, with 1 sec it has been missing a few of the last wides on
> a wide,wide,wide proto path) After it stops the tone, the receiver is
> back to normal operation. Here is the blow by blow in other words...
>

> Joe Blow uses wide,wide,wide. Joe lives by digi "A"
> Joe xmits position
> DIGI A hears it and xmits
> DIGI B hears it and xmits
> DIGI A didnt hear DIGI B cause for 1 second it's ears are masked by tone
> from stamp.
> DIGI C Xmits
> If DIGI A can hear DIGI C it will re-xmit again.
> (I think that a 2 sec delay MAY be too long, but will experiment with it)
> Here is a workable solution to the multiple repeating problem, until the
> tnc guys write it in the code. (I'd love invite's from any tnc
> manufacturer to write TNC code for free)
> The second situation involves my lightning detector.
> I made one which sucked, bought one which works great.
> The detector is about $150. It has 3 leds and sound alarm, corresponding
> to the range of the lightning strikes.
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> When LED 3 lights stamp can shut off my power to computer, after sending
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> (Stamps have X10 compatable output that work with those RAt shack
> switches that plug into wall.)
> The stamp has been on-line for 2 weeks and sends a warning
> as needed. (Program writers give me some text that will send alert to
> APRS instead of the BULLS that the stamp sends)
>
> For the moment, will see what gives b4 I make any decisions about selling
> stuff.
> Mike   KD4EMI@JUNO.COM
>
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

75. Re: [APRSSIG:12200] Re: DIG I PROBLEM

From: "topcat" <ridge_the_great@bigfoot.com>
Date: Sat, 3 May 1997 15:49:18 -0500
To: <aprssig@tapr.org>
Message-ID: <199705032049.PAA19932@mail.tds.net>
Rendered body type: text/plain

- take me off the list please!!!

From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Date: Saturday, May 03, 1997 3:38 PM
Subject: [APRSSIG:12200] Re: DIG I PROBLEM

>EXCELLENT idea! In fact, repleace the stamp with a capacitor, a reistor
>and a transistor! and let it just clamp the receive audio for 1 second!
>This is the kind of inventive thinkg we need!
>
>
>On Sat, 3 May 1997, Michael A. Kantor wrote:
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>> dismissed. In my frustration I decided to sell all the stuff I had for
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>> on/off switch, remote LED's integrated on the dash, built in GPS on the
>> back tire under the cover etc) I remember how I solved quite a few
>> problems with my lightning detector (which works), and how well the
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>> radio stuff works in my car.
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>> I had unsubscribed to the sig, posted msgs to sell stuff, etc.
>> Yesterday (after someone called me at midnight) wondering if I had
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>> had stuff for sale, I thought that I should be part of the solution
>> instead of just blowing off the whole thing.
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>> I've been working and thinking about how to reduce the congestion
>> problem, still allowing the EGO stations, people who want to xmit DGPS
>> every 20 secs (which I would like to do) as much as they want, and
still
>> be able to support the 50 stations on my map, at any one time. Since
>> yesterday and thru today, I've been working with a vengeance on solving
>> this. Also, since I have quite a bit of experience with Basic stamps, I
>> had hoped that this would be neat to try and solve the problem. Here
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>> what I came up with as a first generation fix, and hope that if
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>> "DATA" letting the TNC XMIT on the next wide go around to be inhibited.
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>> is better yet, with 1 sec it has been missing a few of the last wides
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>> a wide,wide,wide proto path) After it stops the tone, the receiver is
>> back to normal operation. Here is the blow by blow in other words...
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>> (I think that a 2 sec delay MAY be too long, but will experiment with
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>> (Stamps have X10 compatable output that work with those RAt shack
>> switches that plug into wall.)
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>> stuff.
>> Mike   KD4EMI@JUNO.COM
>>
>>
>
>APRSdos REPLY/COMMENT:
>
>Reply mail addr: wb4apr@amsat.org
>US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
>See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
>GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html
>
>

76. Re: Energizer Bunny's Callsign

From: Arte Booten <n2zrc@webspan.net>
Date: Sat, 03 May 1997 09:05:03 -0400
To: aprssig@tapr.org

Message-ID: <336B37FF.4569@webspan.net>
Rendered body type: text/plain

Hi all,

Dave Van Horn wrote:

>>Yes, but what would it's callsign be???
>
>EB1EB?

     NO! Absolutely not! The Energizer Bunny is obviously, and proudly,
American (although the argument could be made for him (her?) to have an
XE prefix.) 73
--
                __   Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
============================   Local APRS Elmer
  ___'---...______...---'___   (Automatic Position Reporting System)
 (___)   _!__!_   (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.____//   Protector of the Realm of Monster Island
     `````.__'--'__.'````Cruise Missile Coordinates 4052.71N/07354.06W
              ````
... But those coordinates are deep within the planetoid  ...

## 77. No Station Shown

From: TEELOK <teelok@erols.com>
Date: Sat, 03 May 97 16:59:09 -0400
To: aprssig@tapr.org
Message-ID: <199705032058.QAA20172@smtp3.erols.com>
Rendered body type: text/plain

Help:
        Under versions WAPRS140 and APRS77F, I get no response on the
screen with the exception of my own station. No stations show up under
Heard, Position or All either. I can hear activity coming in; however, nothing
appears on the screen. This problem is evident on two different set-ups. The
one consists of a Pentium with a PK-232MBX and the other a Laptop with a
KAM-Plus. Both set-ups are capable of handling Packet comms, so it would
appear, that the two computers are talking to their respective TNC's.
        Any advice would be more than appreciated.
73's, Wayne
kb3rl@amsat.org

## 78. Re: Map offsets

From: henryvb <henryvb@dpliv.com>
Date: Sat, 03 May 1997 16:03:42 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <336BA82E.7C2@dpliv.com>
Rendered body type: text/plain

Our fearless leader wrote regarding map offsets:
>
> APRSdos REPLY/COMMENT:  OK, how about I add a setup command that says
> OFFSET MAP THIS WAY..  THen I dont have to do any conversions, you just
> enter this offset once and APRS will apply it to all maps in your area...

The OFFSET MAP THIS WAY may work on certain maps.  Unfortunately, it's
not all maps in a given area with the problem, in fact, some maps have
good and bad lines on the same map!  I've been working on the Chicago
area maps to correct this problem.  The only solution appears to
manually adjust the bad line.

Henry
N9WMM
henryvb@dpliv.com

## 79. Re: Energizer Bunny's Callsign

From: Wes Johnston <kd4rdb@usa.net>
Date: Sat, 03 May 1997 20:30:14 -0400
To: n2zrc@webspan.net, aprssig@tapr.org
Message-ID: <3.0.32.19970503202714.006b8494@coca.net>
Rendered body type: text/plain

>     NO! Absolutely not!  The Energizer Bunny is obviously, and proudly,
>American (although the argument could be made for him (her?) to have an
>XE prefix.)  73

EB1EB is fine!!  If the Energizer Bunny would stop beating that damned drum

long enough to fill out the proper form for a temporary American call, we could give him WA8BIT.

73's de Wes
mailto:kd4rdb@usa.net http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 80. Map datums

From: Alan Crosswell <alan@watsun.cc.columbia.edu>
Date: Sat, 3 May 97 22:50:08 EDT
To: aprssig@tapr.org
Message-ID: <CMM.0.90.4.862714208.alan@manila.cc.columbia.edu>
Rendered body type: text/plain

GPS's generally use the WGS84 datum, which correponds to NAD83 in North America. USGS DLG maps generally are plotted with the NAD27 datum and therefore most APRS detailed maps are also based on NAD27. The difference between NAD27 and NAD83 can be a few hundred feet. There are many programs out there than can convert between NAD27 and NAD83 datums. There's one called NADCON which can be found at:

ftp://ftp.ngs.noaa.gov/pub/pcsoft/nadcon/

There another called MADTRANS, which someone put in the TAPR FTP area at:

ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/madtran.exe

I have this bookmark for it as well:

http://164.214.2.53/publications/guides/MADTRAN/

I started learning about the aforementioned free software that is out there to do these conversions for inclusion in tig2aprs, but then stopped when the Census folks did it for me with the 1995 TIGER/Line files which are based on NAD83. So, all tig2aprs maps based on the 1995 TIGER files should sync up nicely with a GPS -- assuming the base maps were any good in the first place.

The discussion at the time for DOS maps was to run MADTRANS once to find the translation from NAD27 to NAD83 and then update the map origin for each map. The feeling was this would be good enough as the deltas between the two datums are dependent on location but don't make sudden jumps.

Something that I have no idea whether it is possible is to see if your GPS can be made to report positions using the NAD27 datum. I know many GPS's have this capability for the display but have no knowledge one way or the other about whether the NMEA-0183 stuff that comes out the serial port is similarly adjusted. My personal GPS only has the one datum (DeLorme tripmate).

Glossary:
NAD27 = North American Datum of 1927
NAD83 = NAD of 1983
WGS84 = World Geodtic System of 1984

basically these are all models that try to approximate the actual shape of the earth

73 de Alan N2YGK

## 81. Kantronics Konversation

From: Jeff Brenton <jeffb@stans.com>
Date: Sat, 03 May 1997 23:13:03 -0500
To: aprssig <aprssig@tapr.org>
Message-ID: <336C0CCF.F09@stans.com>
Rendered body type: text/plain

Today, I attended the AES "Superfest" at the Milwaukee store, and had a couple of minutes to talk to Phil Anderson of Kantronics.

While I forgot totally to mention that they REALLY need to update their web site, I *did* mention that it would be nice if they updated their software to do alias substitution, a la PacComm's latest units, so that we can figure out paths.

I gave the specific examples of using aliases of "RELAY" and "WIDE", and also ignoring packets that already had MYCALL with a digipeated bit set, if they're heard again with an undigipeated alias in the path.

"No one has ever asked for anything like that, but it sounds like a good idea. We'll look into it!" He scribbled a couple of notes on a piece of

paper, and we then talked about the possibility of modifying the KAM to allow 1200 baud on the HF port ("We're working on something along those lines for a future version"), and on faster HF modems.

Just thought you'd like to know...

[I thought someone on the SIG here already mentioned the de-aliasing to Kantronics last month?]

## 82. Newfoundland Flotilla

From: Tony Wright <twright@ica.net>
Date: Mon, 05 May 1997 06:17:38 -0700
To: aprssig@tapr.org
Message-ID: <336DDDF2.2602@ica.net>
Rendered body type: text/plain

I am repeating the information below which I first sent out in February. Departure date is only days away.

On 11 May a flotilla of about 95 boats will set sail from Toronto to Newfoundland to help
celebrate the 500th anniversary of John Cabot's voyage from Bristol England. On 24 June
we will rendezvous  with the "Matthew", a replica of Cabot's boat which will be crossing
the Atlantic at the same time. This year is, in effect, the 500th anniversary of the
"discovery" of Canada so you can imagine the celebrations in Newfoundland. Even the
Queen will be there to greet us.

I have spent several weeks drawing maps of the route using nautical charts. I have done it
the hard way using a pair of dividers! There are no shore details - roads etc, but the maps
should be fairly accurate especially the harbour maps (or should they be called charts?).

The maps are available on the Ontario APRS web site http://www.peel.com/. There is a text file
with the maps giving more information on the flotilla with a detailed schedule. There is
also a SSB and CW schedule for those who would like to contact us on HF. There are
about 20 ham equipped boats in the flotilla but I think I am the only one with APRS.

My boat is a 32ft sloop and I will be running APRS using a KAM+, Kenwood 50S and
Garmin 45. The system operated last summer on Lake Ontario and works well. I will
certainly be on 30M and perhaps 7.085. As far as I know, there is no APRS activity on APRS in eastern Canada, so VHF may not be much use. I will be using the flotilla special event call sign - CF3NYC.

Tony   VA3MER
SV "Meriah"

## 83. help

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 04 May 1997 11:39:56 EDT
To: aprssig@tapr.org
Message-ID: <19970504.113827.9671.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ok, so the idea on delay recieve on a digi seems to work.
How can we do it with analog circuit instead of a $50 stamp.

I guess we need an analog delay circuit that I can feed a 741 op amp (I guess) to generate some noise for 1 sec when the ptt light goes out on a tnc.

Any IDEAS ?
Mike KD4EMI@JUNO.COM

## 84. Updating APRS dos

From: pscc@seidata.com
Date: Sun,  4 May 97 12:11:02 PDT

To: APRS <aprssig@tapr.org>
Message-ID: <Chameleon.970504121850.pscc@S.E.I. Data.seidata.com>
Rendered body type: text/plain

I and registered and currently run APRS77E. I would like to update to the
latest verison APRS79 ? however I missed the 78 or other updates (sleeping
at the keyboard?).

Can I safely update with the latest update download?
(or)
Can I just download the newest version & will my registration #'s (APRS &
Wx) work on the new program?

Thanks for your help!

---
Lee Kissell
8 Meyerfield Place
Lawrenceburg, In. 47025
812-537-3579 Voice & Fax
---
E-mail  pscc@seidata.com
WWW     http://www.seidata.com/~pscc
---
Amateur KB9OBE @ EN79
Packet  KB9OBE @ N8GTC.#CIN.IN.USA.NOAM 145.050
APRS    KB9OBE @ 3906.22N/08452.51W U2K WX
LVARC   147.285  Dearborn County, In.
RCARA   146.805  Ripley County, In.
CFMC    146.880  Hamilton County, Oh.
BRC     147.225  Clermont County, Oh.
SIMPLEX 146.520
ARRL    #10177775
AMSAT   #31752
More    HF 80,40,10 and .................
---
Date: 05/04/97
---------- End of mail

## 85. PacComm HSP & Tripmate? (PART-2)

From: Joe Agrelo <jagrelo@cris.com>
Date: Sun, 04 May 1997 13:17:56 -0700
To: aprssig@tapr.org
Message-ID: <336CEEF4.1722@cris.com>
Rendered body type: text/plain

Is anyone using the Paccomm HSP switch with the Tripmate?

73 De Joe Agrelo, N2OOC   Jagrelo@cris.com
Agrelo Engineering  P.O. Box 231   Pattersonville, NY 12137 USA
(518)864-7551 fax 518)864-7553  http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of microprocessor based RF, Doppler, &
talking products.   Experts in Microchip & Motorola processors

## 86. Re: [APRSSIG:12198] DIG I PROBLEM

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Sun, 04 May 1997 12:45:28 -0500
To: aprssig@tapr.org
Message-ID: <336CCB38.131C@stonewest.com>
Rendered body type: text/plain

I did a schematic for this, two chips, 4001 and 4066.
I'm building an APRS page today, it will be at"
http://www.cedar.net/users/dvanhorn/aprs

The schematics are in HPGL, and can be opened with a
program called SPLOt which will also be available
on the page.

## 87. Re: [APRSSIG:12198] DIG I PROBLEM

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 04 May 1997 14:15:27 EDT
To: dvanhorn@stonewest.com
Cc: aprssig@tapr.org
Message-ID: <19970504.141311.8791.2.KD4EMI@juno.com>
Rendered body type: text/plain

I think a RC timer would work better though (they are sometimes called
integrators)   Total cost $3.00 and solder. I just dont know how to build

one. I spoke with a friend about it but he'll be out of town tomorrow for
2 weeks. It's just 3 components (as APR said)

I think Bob used one to hold PTT down with the MIM chip.
Someone out there in this sig MUST know how to build a RC timer with a
cap/resistor and  transisitor.

A basic stamp would cost about 40 bucks  how much would these chips cost
?  Perhaps it is too complicated ? Fill me in ?


On Sun, 04 May 1997 12:09:37 -0500 Dave VanHorn <dvanhorn@stonewest.com>
writes:
>This sounds line a 74HC14 chip and 4066 gate.
>
>The HC14 creates a 1 sec pulse after each transmit, and the
>4066 disconnects the RX input. Injecting noise would usually
>work, but IMHO just disconnecting the input is cleaner. It
>can be grounded during that period with another part of the 4066.
>
>This scheme only works for digis though, it would drive APRS nuts
>with "didn't hear a digi" messages if used on an APRS station
>directly.
>
>I used a similar approach with the KPC3 and MFJ dataradio in that
>I shut down the RX data line during transmit. I did that one with
>just a diode. A 4066 in there would be cleaner, but not as simple
>a hack.
>
>This is  box that can sit between any generic TNC and radio. The
>KEY output and RX audio in, and 12V power are all present at this
>point in the system.
>
>I drafted the circuit, 12V powered, About $1 in parts. Can you take
>HPGL plot files, or I can output to most printers (need exact model!)
>

## 88. Re: [APRSSIG:12205] Re: Energizer Bunny's Callsign

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Sun, 04 May 1997 11:36:49 -0700
To: kd4rdb@usa.net
Cc: aprssig@tapr.org
Message-ID: <336CD741.4A17@ix.netcom.com>
Rendered body type: text/plain

Wes Johnston wrote:
>
> >     NO! Absolutely not!  The Energizer Bunny is obviously, and proudly,
> >American (although the argument could be made for him (her?) to have an
> >XE prefix.)  73
>
> EB1EB is fine!!  If the Energizer Bunny would stop beating that damned drum
> long enough to fill out the proper form for a temporary American call, we
> could give him WA8BIT.
>
> 73's de Wes


Like Santa, the Bunny could well be considered a citizen of the world.
His UK call might well be: G0ING (That's G-zero-I-N-G) :-)

 73, Jeff

## 89. FOXHUNT

From: Wes Johnston <kd4rdb@usa.net>
Date: Sun, 04 May 1997 14:43:21 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970504144150.006b67b0@coca.net>
Rendered body type: text/plain

Anyone in the southeast near Savannah GA, we are in search of a malicious
fox.  I'd love to get a DF jr, but quite frankly, don't have the money for
one.  Does anyone within driving distance have any sort of doppler unit
that we could rent or borrow?  This fox is very smart, and keeps
transmissions under 1 second, and changes his power.  We suspect that we
may have two due to variations in signal strengths.  Thanks!
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 90. Re: [APRSSIG:12198] DIG I PROBLEM

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Sun, 04 May 1997 13:46:08 -0500
To: "Michael A. Kantor" <kd4emi@juno.com>
Cc: aprssig@tapr.org
Message-ID: <336CD970.30B1@stonewest.com>
Rendered body type: text/plain

Michael A. Kantor wrote:
>
> I think a RC timer would work better though (they are sometimes called
> integrators)  Total cost $3.00 and solder. I just dont know how to build
> one. I spoke with a friend about it but he'll be out of town tomorrow for
> 2 weeks. It's just 3 components (as APR said)
>

Emm.. what's wrong with lower cost?

> > About $1 in parts. Can you take
> >HPGL plot files, or I can output to most printers (need exact model!)
> >

I don't know how you'd get there with 3 components total. The heart
of what I designed is three components, but it needs to be buffered.
This is the 4001 chip's job. Otherwise you would have to use <<HUGE>>
capacitor values to get the impedance low enough to drive anything.
The 4066 is a simple SPST analog switch (4 in a package) I use one
section to disconnect the RX audio, and another section to ground
the RX audio. All total, I used 5 components.

The basis of the circuit is an RC timer, and what I have here
is (i think) a practical circuit that should work for anyone.

## 91. New Agrelo Engineering Web Site ! & DFjr manual download!

From: Joe Agrelo <jagrelo@cris.com>
Date: Sun, 04 May 1997 15:55:27 -0700
To: aprssig@tapr.org
Message-ID: <336D13DE.FE8@cris.com>
Rendered body type: text/plain

The NEW! Agrelo Engineering web site is now available. Although some
pages are not available yet and still under construction, you can now
dowload the latest DFjr manual in Adobe Acrobat format, there is also a
link to download the Adobe Acrobat viewer from Adobe.

The DFjr manual was written by Roger Sellers in Microsoft Word and ended
up being about 12 megs in size, then I converted it over to Adobe
Pagemaker for editing, then Adobe Acrobat format for web site download,
now only 650K unzipped, WOW! Adobe is amazing!

The 32 page manual is in full color and has 32 pictures to help
illustrate assembly and operation. The old site is still up and running
until the new site is complete.

Sorry, no user serviceable parts, no schematics, "all" surface mount
components.

Please update your bookmarks.
http://www.cris.com/~jagrelo/index.html

Enjoy!

73 De Joe Agrelo, N2OOC  Jagrelo@cris.com
Agrelo Engineering  P.O. Box 231  Pattersonville, NY 12137 USA
(518)864-7551 fax 518)864-7553  http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of microprocessor based RF, Doppler, &
talking products.  Experts in Microchip & Motorola processors

## 92. Energizer Bunny Callsign

From: Dave.Ackrill@westwood45.powergen.co.uk
Date: 04 May 1997 21:09:37 +0100
To: aprssig@tapr.org (Non Receipt Notification Requested)
Message-ID: <970504201010Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>

Rendered body type: text/plain

Sorry, too late,

G0ING has already "gone". We are onto the M0 callsigns over here now.

Regards - Dave (G0DJA)

## 93. GPS20

From: Bob Lorenzini <hwm@netcom.com>
Date: Sun, 4 May 1997 13:58:54 -0700 (PDT)
To: aprssig@tapr.org
Message-ID: <Pine.LNX.3.95.970504134904.611B-100000@mm.wd6dod.ampr.org>
Rendered body type: text/plain

I'am in need of the power/data connector for the Garmin gps20 and was hoping someone here on the SIG could point me in the right dir. It is available from Garmin but I was wondering if there might be a better source (cheaper/quicker?). Also, is there a web page that has a command summary or more details that can be found on the tapr page? My search yelds the nitty gritty stuff on the 45 but not the 20. TIA

Bob - wd6dod - hwm@netcom.com

PS the gps20 sure is a cute little board

## 94. Re: [APRSSIG:12204] Re: Map offsets

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 4 May 1997 17:21:46 -0400 (EDT)
To: Ralph <rwf@mindspring.com>
Cc: henryvb@dpliv.com, aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970504171639.14829C-100000@arctic>
Rendered body type: text/plain

Nothing but the 100K maps will make any difference at all. Remember ALL the maps in my standard distro were made form the 2,000,000 map data where 1 inch on the original paper map was equivalent to 40 miles!!! So the DATUM aint gonna make any difference. THe errors you see there are dimply due to the shaky hand of the summer-hire high school student that digitized the map. And I think the 100K maps were all WGS74 or whatever, NOT the one GPS defaults to. Therefore the need to skew the maps in yor local area if you use the 100K maps.

## 95. Re: [APRSSIG:12209] help

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 4 May 1997 17:26:58 -0400 (EDT)
To: "Michael A. Kantor" <kd4emi@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970504172412.14829E-100000@arctic>
Rendered body type: text/plain

On Sun, 4 May 1997, Michael A. Kantor wrote:

> Ok, so the idea on delay recieve on a digi seems to work.
> How can we do it with analog circuit instead of a $50 stamp.
> I guess we need an analog delay circuit that I can feed a 741 op amp (I
> guess) to generate some noise for 1 sec when the ptt light goes out on a
> tnc. > Any IDEAS ?

APRSdos REPLY/COMMENT: Sure, just a resoistor and capacitor triggered by the PTT line which feeds the base of a transisotr whos collector is tied to the receive audio. When PTT goes low, transistor turns on and kills the audio. Then the cap has a 2 second time constant or so to keep itthat way... Ill do exact schematic when I have time. Today is my anniversary and wife iss watching me too clsoely...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 96. Re: [APRSSIG:12214] Re: Energizer Bunny's Callsign

From: Bruce Bjorklund <bruceb@bigfoot.com>
Date: Sun, 04 May 1997 17:25:15 -0700
To: jreinh@ix.netcom.com
Cc: aprssig@tapr.org

Message-ID: <336D28EB.7E89@bigfoot.com>
Rendered body type: text/plain

Come on people.  Can't we cut the crap. Lets post things that are
relevant to the sig.  Otherwise post the junk somewhere else.  Of 17
messages that I just downloaded, 4 are on this stupid crap.

## 97. Re: [APRSSIG:12198] DIG I PROBLEM

From: rwf <rwf@mindspring.com>
Date: Sun, 04 May 1997 18:42:16 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970504181332.0073bc88@ccegate.cokecce.com>
Rendered body type: text/plain

Folks, better think this through. How is this going to effect other things,
like remote sysoping the digi or listing msgs from the PBBS, if the unit
cannot hear the ack back on a regular connected connection. Sure gonna slow
things down... all the retries.

Maybe you should XOR it with the connect light.

Ralph

## 98. Boy, am I seeing red!

From: Arte Booten <n2zrc@webspan.net>
Date: Sun, 04 May 1997 18:50:45 -0400
To: aprssig@tapr.org
Message-ID: <336D12C5.13A5@webspan.net>
Rendered body type: text/plain

Hi folks,

     I dunno, maybe this is merely because I was brought up in the Cold
War era, but I'm seeing red all over the map.  That is, stations running
WinAPRS 1.4.5 are having their icons appear red, and their POSIT packets
begin with a "=" instead of an "@", "!" or "/".  Does anybody know why
this is happening?  73
--
                 __                 Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___  Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
================================           Local APRS Elmer
  ___'---..._______...---'___   (Automatic Position Reporting System)
 (___)      _!__!_      (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.____//   Protector of the Realm of Monster Island
     `````.__'--'__.''''`Cruise Missile Coordinates 4052.71N/07354.06W
           ````

... But those coordinates are deep within the planetoid ...

99. Re: Map offsets

From: rholbert@juno.com (Richard L. Holbert)
Date: Sun, 4 May 1997 18:17:45 est
To: aprssig@tapr.org
Message-ID: <19970504.181124.8287.0.rholbert@juno.com>
Rendered body type: text/plain

I wrote a BASIC program last year that would compute and apply the offset
for a single APRS map to use WGS84 datum. I emailed copies to Barb and
Bob. Another choice is to use the MADTRAN program in the SIG's FTP area
to do the conversion. For best results you should figure out the offset
for the center of the map and apply that delta to the map origin.

Hope this helps.

Rick, KB8DNR

100. APRS for SA4 - Test sites needed

From: "BH" <BHildebrand@worldnet.att.net>
Date: Sun, 4 May 1997 16:22:00 -0700
To: <aprssig@tapr.org>
Message-ID: <19970504232145.AAA8161@486>
Rendered body type: text/plain

1997-May-4

Hello fellow APRS-SIG readers.

I am developing a program that will monitor APRS data and Plot the location
 of stations heard directly into
Street Atlas U.S.A. v4.0 (SA4). This is unlike the recent addition of SA4

support that has been added to APRSdos. This program will plot any and all stations heard into SA4. And it can be configured to do it automatically. The biggest advantage of using SA4 as the map display is it can produce near street level identification of APRS stations. My program does not use the GPS support built into SA4, and so is not limited by this interface.
...
I'm looking for people who would be willing to test the program in their operating environment. The program requires Windows 95, DeLormes' Street Atlas U.S.A. v4.0. A 486, 50MHz, preferably faster. 8 Mb of RAM, 16 recommended. It will not run on a HP-200 LX. The program will monitor directly the TNC output. It will not run on Win3.1.
...
If you are interested in testing the program, please let me know. Testing stations should be willing to run the software and report on any errors encountered and the conditions in which they were encountered. Testing stations should understand that the program is under development and some features may not work correctly or may not be enabled. Currently the only means I have for distribution of test copies of the program is via Email so testing sites should be able to accept binary attachments with their Email.

...

Brent Hildebrand, KH2Z
Redlands, California
BHildebrand@Worldnet.att.net

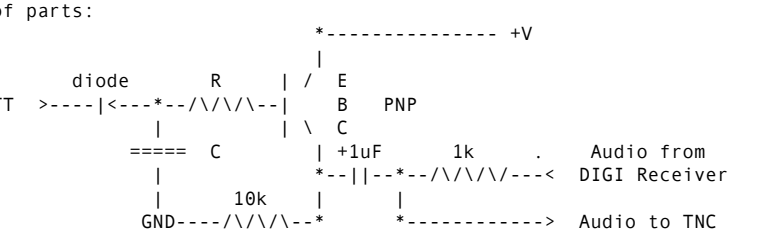
101. WIDE,WIDE,WIDE,WIDE solution?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 4 May 1997 20:30:23 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970504193643.20722B-100000@arctic>
Rendered body type: text/plain

On Sat, 3 May 1997, Michael A. Kantor wrote:

> I've been working and thinking about how to reduce the congestion
> problem, [while] still allowing the EGO stations... [to use long generic
> paths...] Here is ...[the idea] A Basic stamp, connected to LED XMIT.
> The stamp senses the LED going ON, then injects tone into radio receive.
> This [collides with further data on the channel thus preventing this
> digi from hearing the packet again!

APRSdos REPLY/COMMENT: This is the kind of innovative thinking that APRS needs on the digipeaters! Congratulations Michael! I think this is CERTAINLY WORTH LOOKING AT! Here is a much cheaper way to do it with $3 worth of parts:



THis is a represenetative circuit. I havent done it, but here is how it should work. TNC PTT is normally high keeping this PNP transistor off. WHen PTT goes low, it discharges C via the diode and turns on the PNP transistor which "shorts" the receiver audio to the supply effectively mutes the audio getting to the TNC.. When PTT goes high again, the capacitor charges slowly through R keeping the PNP still turned on and the audio muted for an additional time period approximately equal in seconds to the product of R and C.

I would start with a value of R being a 100K pot in series with a 10K resistor (to protect Q1 if adjusted to a short) and C being 47 uF. This would give an adjustment range of .1 to 4 seconds

Once this is in place, there will be a few packets which are missed because their TNCs are doing the normal COLLISION AVOIDANCE and holding off until the digi goes silent... then transmitting. But in this case the DIGI is always deaf for 2 seconds after every digipeat so it misses the packet. BUT THIS IS FIXABLE by everyone simply setting their TNC FRACK timer to 2 seconds too! THen their TNC also holds off for 2 seconds afger the last DIGI packet before transmitting! If we come up with ONE consistant APRS standard delay, then everything will work FINE!

I think this is FANTASTIC. Why didnt I thik of this 4 years ago!

Thanks Michael!

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

102. Re: [APRSSIG:12223] Re: DIG I PROBLEM

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 4 May 1997 20:46:39 -0400 (EDT)
To: rwf <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970504204348.20722D-100000@arctic>
Rendered body type: text/plain

On Sun, 4 May 1997, rwf wrote:

> Folks, better think this through. How is this going to effect other things,
> like remote sysoping the digi or listing msgs from the PBBS, if the unit
> cannot hear the ack back on a regular connected connection. Sure gonna slow
> things down... all the retries.

APRSdos REPLY/COMMENT: This is absolutely true. Normal CONNECT mode ACKS will get clobbered UNLESS the user sets his FRACK time to 2 seconds. I need to look at the TNC manuals to get the fine details since I think that it is a little mroe complex now that AX.25 has implemented P-PERSIST, but the general idea of setting FRACK to the same delay as the DIGI RC-MUTE circuit should work...(I need more time to think about this, but this is a good discussion!)

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

103. Re: [APRSSIG:12226] APRS for SA4 - Test sites needed

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 4 May 1997 20:55:31 -0400 (EDT)
To: BH <BHildebrand@worldnet.att.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970504205246.20722H-100000@arctic>
Rendered body type: text/plain

On Sun, 4 May 1997, BH wrote:

> I am developing a program that will monitor APRS data and Plot the location
> of stations heard directly into Street Atlas U.S.A. v4.0 (SA4). It is
> unlike the recent addition of SA4 support that has been added to
> APRSdos. This program will plot any and all stations heard into SA4....

APRSdos REPLY/COMMENT: WOW! Lets talk! Send me your Phone number!

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

104. Re: [APRSSIG:12224] Boy, am I seeing red!

From: n1rhl@juno.com (Jim Bradshaw)
Date: Sun, 04 May 1997 20:49:13 EDT
To: aprssig@tapr.org
Message-ID: <19970504.204812.4454.1.N1RHL@juno.com>
Rendered body type: text/plain

Arte it's called "Programus Usermus perpetualus Betamus" it's a process perfected by Microsoft. You write a program send it to the users and correct the problems as you go along .. hihi

I have gotten tired of seeing a map of all gray Icons so I have downgraded to 787 till the rest of the LAN catches up to the updates... (this also lets me use my hst files again on my javAPRS page)

Jim

now now I'm not complaining <Grin> I do the same thing with my programs hihi

On Sun, 4 May 1997 17:57:34 -0500 (CDT) Arte Booten <n2zrc@webspan.net> writes:

>Hi folks,
>
>   I dunno, maybe this is merely because I was brought up in the
>Cold
>War era, but I'm seeing red all over the map. That is, stations
>running
>WinAPRS 1.4.5 are having their icons appear red, and their POSIT
>packets
>begin with a "=" instead of an "@", "!" or "/". Does anybody know why
>this is happening? 73
>--
>   __   Mr. Arte Booten mailto:N2ZRC@webspan.net
> ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
>==============================   Local APRS Elmer
> ___'---..._______..---'___   (Automatic Position Reporting System)
> (___)   _!__!_   (___) 1MI0/N2ZRC-Monster Is. Defensive Force
>   ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
>   ````'.__'--'__.''''`Cruise Missile Coordinates 4052.71N/07354.06W
>           ````
>.. But those coordinates are deep within the planetoid ...
>
>

105. Re: DIG I PROBLEM

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 04 May 1997 23:09:00 EDT
To: rwf@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <19970504.230653.4855.0.KD4EMI@juno.com>
Rendered body type: text/plain

Good point Ralph...

On Sun, 4 May 1997 17:48:46 -0500 (CDT) rwf <rwf@mindspring.com> writes:
>Folks, better think this through. How is this going to effect other
>things,
>like remote sysoping the digi or listing msgs from the PBBS, if the
>unit
>cannot hear the ack back on a regular connected connection. Sure gonna
>slow
>things down... all the retries.
>
>Maybe you should XOR it with the connect light.
>
>Ralph
>
>

106. Re: [APRSSIG:12221] Re: help

From: thomasr@ten-nash.ten.k12.tn.us
Date: Sun, 04 May 1997 22:29:02 -0600 (CST)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970504222415.539028376D-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

just a thought....resistor, capacitor,555 ic(see forrest mims ic 555 timer
circuits booklet at radio shach) the r/c circuit will give delay control,
the 555 or even better, the 556 will give timing and tone control.
73, bob thomas, ks4ng

On Sun, 4 May 1997, Bob Bruninga wrote:

> On Sun, 4 May 1997, Michael A. Kantor wrote:
>
> > Ok, so the idea on delay recieve on a digi seems to work.
> > How can we do it with analog circuit instead of a $50 stamp.
> > I guess we need an analog delay circuit that I can feed a 741 op amp (I
> > guess) to generate some noise for 1 sec when the ptt light goes out on a
> > tnc.   > Any IDEAS ?
>
> APRSdos REPLY/COMMENT: Sure, just a resoistor and capacitor
> triggered by the PTT line which feeds the base of a transisotr whos
> collector is tied to the receive audio. When PTT goes low, transistor
> turns on and kills the audio. Then the cap has a 2 second time constant
> or so to keep itthat way... Ill do exact schematic when I have time.
> Today is my anniversary and wife iss watching me too clsoely...
>

>
> Reply mail addr: wb4apr@amsat.org
> US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
> See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html
>
>

107. Re: [APRSSIG:12223] Re: DIG I PROBLEM

From: thomasr@ten-nash.ten.k12.tn.us
Date: Sun, 04 May 1997 22:32:00 -0600 (CST)
To: rwf <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970504223018.539028376E-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

good point...how about tnc commands...tx delay,etc.? bob thomas, ks4ng

On Sun, 4 May 1997, rwf wrote:

> Folks, better think this through. How is this going to effect other things,
> like remote sysoping the digi or listing msgs from the PBBS, if the unit
> cannot hear the ack back on a regular connected connection. Sure gonna slow
> things down... all the retries.
>
> Maybe you should XOR it with the connect light.
>
> Ralph
>
>

108. APRSa4 (wow!!, right on!!)

From: Bill Kearns <billk@inland.net>
Date: Sun, 4 May 1997 21:59:21 -0700 (PDT)
To: aprssig@tapr.org
Message-ID: <199705050459.VAA06959@ns1.inland.net>
Rendered body type: text/plain

hello siggers,
        just a little info on APRSa4. i have been running it on my system for
about 2 months, and i am very happy with it. here is my setup:

equipment:
486/75 8megsRAM 540HD running windows95 (buss mouse, no modem)

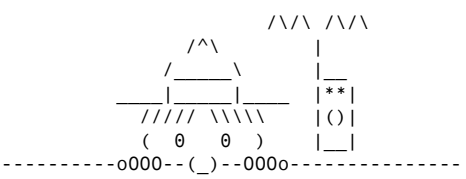
running--winaprs on com 1 to a Kantronics KAM to vhf and hf radios

running--aprsa4   on com 2 to a paccomm tiny 2 to same vhf radio

running--street atlas4 cd disk in cdrom drive

all this runs quite well. i can toggle back and forth between winaprs and
steet atlas 4 and track the mobile stations right down to the steet name and
the intersection. also, this program will mark a trail behind the mobile in
motion with a black line. (you gotta see it to believe it!!). map pages
with blackline tracks can be saved to bmp files, and emailed, and brought up
in your paint program. (or saved for evidence in court that your wife *was*
over at her boyfriends house!!) for instance, i can click on w7lus, and
tell you exactly where he is at right now at this moment! (or at least where
he was at the last time he beaconed his position) and, i can give you the
street name and intersection.

brents done a hell of a job with this program, it doesnt tranmit yet but at
this point i really dont need it to, i have winaprs running on com 1 for
that. you can contact brent at BHildebrand@worldnet.att.net



--------------oOOO--(_)--OOOo---------------
Bill Kearns
billk@inland.net   WB6JAR
909-678-6228

```
 --------------------------Oooo---------------
                   oooO   (   )
                  (   )    ) /
                   \ (    (_/
                    \_)
```

109. For Sale: Magellan Trailblazer XL

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 05 May 1997 02:07:49 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970505020746.00698588@mailhost.primenet.com>
Rendered body type: text/plain

For Sale:

One Magellan Trailblazer XL GPS

* Biggest Display of any Handheld GPS

* Biggest Buttons of any Handheld GPS

* NMEA Out

* DGPS Ready

* Factory Firmware Upgrade 8/96

* Power and NMEA Cable included

* Connects Directly to KPC-3

* Mounting Bracket

* Remote Antenna Cable and Suction Cup

* All Manuals

* Was $400 new w/interface, firmware upgrade $90

$210 (price includes shipping to the 48 contiguous United States)

This unit has been successfully running my APRS autotracker for almost 2
years now, a GPS-36 is taking its place.

Please respond via private e-mail.

73,

Mark Fellhauer
KC7BXS
sparkfel@primenet.com

110. Keith going to Las Vegas

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Mon, 5 May 97 9:04:24 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.862837464.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

I will be attending INTEROP in Las Vegas this week. I only got told to go a
week ago, and the timing (just before Dayton) is lousy. However, it is
unusually a good show and I will have fun.

I will probably have access to e-mail out there, but I am not positive.

If anyone on the SIG wants to try to meet with me while I am in the area,
I will be staying at CIRCUS-CIRCUS, try to send e-mail to me (private
e-mail, not the SIG) or call and leave a message at the hotel, and maybe
we can get together for supper or something.

Keith Sproul

Keith Sproul   Ham Radio: WU2Z
Student Housing Network Coordinator   ksproul@noc.rutgers.edu
Rutgers University Computing Services   908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/   908 821-4828 Home

111. Search & Rescue w/ APRS

From: Ralph Milnes <milnes@openix.com>
Date: Mon, 05 May 1997 09:32:46 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970505093246.0068ea58@openix.com>
Rendered body type: text/plain

I'm looking for information from anyone who has used APRS in a seach and
rescue situation or drill.

How was it used? What worked and what didn't re: equipment, coordination,
etc? Helpful hints? etc.

Anything that may have been published, either here or in a mag, would
certainly be of interest.
(If this has been discussed on the SIG before, let me know and I'll just do
a history search.)

Ralph, KB2WBV
Milnes@openix.com

112. VE3YYZ off the air?

From: Mike Walker <mwalker@Legato.COM>
Date: Mon, 05 May 1997 09:46:45 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970505094642.00930e80@geronimo.legato.com>
Rendered body type: text/plain

Hello Toronto APRSers

It seems as if the VE3YYZ digi is off the air.

Has anyone eles noticed this?

regards...mike   VA3MW

Michael K. Walker   Legato Systems (Canada) Inc.
TSE   3390 South Service Road
(905) 637-4738   Burlington, ON
http://www.legato.com   L7N 3J5

113. DIGIPEATER SYSOPS NOTE!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 5 May 1997 09:54:35 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970505095204.26505E-100000@arctic>
Rendered body type: text/plain

On Mon, 5 May 1997 usdcc3h5@ibmmail.com wrote:

The FIXED STATION format for APRS begins with a "!" and DOES NOT INCLUDE A
DATE-TIME. Yes, APRSdos inserts one on receive for display on the P-LIST,
but is NOT part of the on-air format. Here is an example of a wrong
format that was emailed to me. Can someone get this changed. It will not
appear on anyone's screen until it is put in the correct format. See my
DIGIS.TXT file.

> K8SN-2>BEACON,WIDE,WIDE,WIDE:!040801Z4258.10N\08539.50W#PHG3600/ WIDE AT
> BUTTERWORH HOSPITAL, GRAND RAPIDS.

114. Re: Digi problems...

From: joefoor@digitalexp.com (Foor, Joe)
Date: Mon, 05 May 1997 09:10:01 -0500
To: aprssig@tapr.org
Message-ID: <336DEA39.3804@digitalexp.com>
Rendered body type: text/plain

Well gang, I can't help feeling that you are in the process of deciding
to cripple your local nets, to avoid annoying a few people who use
inconsiderate operating practices.

Stop and think about it... If you deafen your digi for two seconds
after every transmission, then silence your local stations for the same
period, that will reduce your local net's capacity by about 65%. Also,
it will force all local stations to transmit during the remaining 35% of
the time, increasing collisions and further reducing the net efficiency.

If the long generic path packets are a real problem, then eliminate the

generic call from your digi for a couple of months, to force the lids to figure out how to specify a path and use the (O),(D) commands. After all, if you are going to cripple your local net, you should at least do it in a manner that will affect the offenders more than the considerate operators.

If you insist on a hardware solution to an operator problem, then go ahead and install your stamp or other PIC, but set it up to read the path of the incoming packets, searching for three or more generic calls and disabling both the receive and the PTT when it finds an offending path. That way, the digi TNC would hear a quiet frequency and attempt to digi the packet almost immediately, while the PTT is still disabled. This would eliminate the offending packets from your local net, without causing significant loss of net operating time.

regards,
Joe kf4dys

115. TAPR Update for Dayton Hamvention

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Sat, 3 May 1997 15:12:18 -0500
To: " AMSAT BB Mail Group "<amsat-bb@amsat.org>
Message-ID: <v03020905af914ba41341@[208.134.134.40]>
Rendered body type: text/plain

Just a reminder that TAPR is doing a lot of things at Dayton and everyone is invited to attend and participate!

Full details are available at http://www.tapr.org/tapr/html/dayton.html with maps, schedules, and some other goodies. If you need a text version of the information, just e-mail tapr@tapr.org

Friday is the main day of activity with the all day TAPR Digital Forum and then that Friday night for the annual PacketBASH and TAPR Banquet. The Banquet will be hosted again by the Miami Valley FM Association at the NCR facility a few minutes south of Dayton. Tom Clark, W3IWI will be the after dinner speaker with the topic of "Amateur Radio 2000: A Retrospective View of the Future" . There will also be a prize drawings for those that are attending! Should be a fun evening if you don't have anything planned for Friday evening.

TAPR will also be providing live audio from Dayton on both Friday and Saturday. If all goes well, the entire TAPR Digital Forum will be availble on our web site http://www.tapr.org for listening to using RealAudio as the forum happens. The radio link between the forum room and the TAPR booth (where the Internet connection is) is planned to be over a high-speed SS radio link, but you never know how a radio is going to handle Dayton :-)
On Saturday, TAPR is providing live audio from the the Open Ham Radio Town Meeting from 3 - 5 PM EST (Room 5) forum host is Len Winkler, KB7LPW (http://www.tapr.org/newsline/townmeeting.html). Check the web page to see the schedule and topics for the session.

The TAPR Digital Forum kicks off at 1pm on Friday and there is a lot on Spread Spectrum communications this year!!

Friday Forum Schedule (May 16th)
1:00 - 1:45pm (45 min)
   * Introduction to Spread Spectrum Communications
     Steve Bible, N7HPR

1:45 - 2:00pm (15min)
   * Update on TAPR Activity
     Greg Jones, WD5IVD and Steve Stroh, N8GNJ

2:00pm - 2:40pm (40 min)
   * Building TCP/IP Networks in the Amateur Radio Community
     John Ackermann, AG9V, Allan Finne, KB5SQK

2:40pm - 3:00pm (20 min)
   * Review of current SS developments
     Barry McLarnon, VE3JF, Dewayne Hendricks, WA8DZP

3:00 - 3:20pm (20 min)
   * System Design Parameters for Spread Spectrum Systems
     Tom McDermott, N5EG

3:20 - 3:40pm (20 min)
   * TBA
     Phil Karn, KA9Q

3:40 - 4:00pm (20 min)
   * TAC-2 (Totally Accurate Clock) GPS Project
     Tom Clark, W3IWI

4:00 - 4:20pm (20 min)
   * Update on Amateur DSP Activity
     Bob Stricklin, N5BRG, Bill Reed, WD0ETZ

4:20 - 5:00pm+
   * APRS Update and TAPR APRS SIG Meeting
     Bob Bruninga, WB4APR and Keith Sproul, WU2Z

Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
http://www.tapr.org/~wd5ivd
-----

116. Re: [APRSSIG:12239] DIGIPEATER SYSOPS NOTE!

From: rwf <rwf@mindspring.com>
Date: Mon, 05 May 1997 10:56:35 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970505105218.0072f7fc@mindspring.com>
Rendered body type: text/plain

Yeah, and fix the UNproto, too!!

At 08:50 AM 5/5/97 -0500, you wrote:
>On Mon, 5 May 1997 usdcc3h5@ibmmail.com wrote:
>
>The FIXED STATION format for APRS begins with a "!" and DOES NOT INCLUDE A
>DATE-TIME. Yes, APRSdos inserts one on receive for display on the P-LIST,
>but is NOT part of the on-air format. Here is an example of a wrong
>format that was emailed to me. Can someone get this changed. It will not
>appear on anyone's screen until it is put in the correct format. See my
>DIGIS.TXT file.
>
>> K8SN-2>BEACON,WIDE,WIDE,WIDE:!040801Z4258.10N\08539.50W#PHG3600/ WIDE AT
>> BUTTERWORH HOSPITAL, GRAND RAPIDS.
>
>

117. Re: [APRSSIG:12240] Re: Digi problems...

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 5 May 1997 11:16:21 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970505110008.21634B-100000@arctic>
Rendered body type: text/plain

Before this discussion, I calculated the needed DIGI MUTE period to be 1.2
seconds instead of 2. So I will refer to 1.2 second mutes from here on...

On Mon, 5 May 1997, someone wrote:

> Well gang, I can't help feeling that you are in the process of deciding
> to cripple your local nets, to avoid annoying a few people who use
> inconsiderate operating practices.

*** This is a healthy discussion. and yes, W,W,W paths are currently
deemed inconsiderate. BUT that is only because the hardware cant do what
APRS needs. APRS has always needed the w,w,w,w capability but so far, no
one hs made the simple mods to a TNC digipeater code to do it. THerefore
we are not getting the full potential of APRS.

> > Stop and think about it... If you deafen your digi for two seconds
> after every transmission, then silence your local stations for the same
> period, that will reduce your local net's capacity by about 65%. Also,
> it will force all local stations to transmit during the remaining 35% of
> the time, increasing collisions and further reducing the net efficiency.

*** Im not sure I agree. I think throughput will go UP. Listen to the
channel from a good location so that you can hear what happens after a
digipeat and you will notice that the channel is BUSY for the 1.2 seconds

after every digipeat as the packets are further digipeated (either
using w,w or specific calls) by further more distant digis. So muting the
digi during this period does not reduce channel capacity.

Furthermore, adding a 1.2 second delay at the users is not the same as a
1.2 second MUTE. A delay does nothing to cut channel capacity.

So I dont think there would be any reduction in channel capacity, but
there would be the potential for using w,w,w which is definately
beneficial to the overall APRS network for the mobile traveler and for
some regional APRS nets that need w,w,w to cover all of their
participating stations.

 I hope someone will take the time to do a rigorous
analysis of this proposal and see if it is as good as it appears to be..

118. DFjr Manual Update!

From: Joe Agrelo <jagrelo@cris.com>
Date: Mon, 05 May 1997 12:28:50 -0700
To: aprssig@tapr.org
Message-ID: <336E34F2.4017@cris.com>
Rendered body type: text/plain

There were some typos in the new DFjr manual and corrections have been
made, thanks to Claude Head for noticing them. I also added a block
diagram for using the DFjr with APRS, GPS, and MPA. I will add more
diagrams later.

Download the manual at our new web site-

http://www.cris.com/~jagrelo/index.html

See you at Dayton!

73 De Joe Agrelo, N2OOC   Jagrelo@cris.com
Agrelo Engineering P.O. Box 231   Pattersonville, NY 12137 USA
(518)864-7551 fax 518)864-7553 http://home.navisoft.com/agrelo/ae.htm
Designer & Manufacturer of microprocessor based RF, Doppler, &
talking products.   Experts in Microchip & Motorola processors

119. APRSa4

From: William Nolle <wa8inz@mindspring.com>
Date: Mon, 05 May 1997 13:27:34 -0500
To: aprssig@tapr.org
Message-ID: <336E2696.1287@mindspring.com>
Rendered body type: text/plain

After loading and running APRSa4 by Brent KH2Z i have to say this is the
greatest thing since Bob came out with APRS (Way back). I have been
sitting here all day playing with it and tracking W7LUS and N4QEA-15,
KQ4TV-9 and all stationary stations with this software using Street
Atlas 4. I zoomed in on some known stations and it showed them right
smack where they are suppose to be down to street level. What a great
combination this would be for special events like Marathons etc. I was
realy overwhelmed at what a good job Brent did so far and already
offered to buy a registered version to support this software. Now
finally APRS can have great maps down to most all dirt roads and trails
without having to make any maps at all. Let's support Brent in this
venture so he will continue to add features to this software. Thanks a
lot Brent and keep up the good work.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

120. Wonderful news for APRS users!!!!!!

From: rwf <rwf@mindspring.com>
Date: Mon, 05 May 1997 14:51:38 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970505145133.0077fcdc@ccegate.cokecce.com>
Rendered body type: text/plain

Forget deafening your digi with basic stamps and capacitors and other kludges!
Gwyn and the folks in Tampa have gone and done what we have all been
wishing for!

First:
They went and added REMOTE COMMANDS to the Pico Packet. I can now connect
to a remote control call sign and sysop this TNC remotely!

AND

They made TNC code that not only substitutes its call for the alias when it
digipeats (so you know which WIDE or RELAY digied you), but IT WILL ONLY
DIGI THE SAME PACKET ONCE!!!! It isn't WIDE-N, but it does keep track of
the packets it has already digied.

Guess that means that code updates for the standard TNC-2 won't be far behind.

Darn him, after all with four aliases, Alias/Call sign substitution, and
now these pesky remote commands and the DIGIONCE feature- I've now got to
go replace all my KPC-3 digis with PacComms.

One more thing...
My Pico remembers all its parameters thru the worst power glitches I have
been able to give it!

Ralph Fowler, N4NEQ   S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com   Atlanta, GA USA
http://www.mindspring.com/~rwf   for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

121. APRS791

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 5 May 1997 15:51:56 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970505154838.21537A-100000@arctic>
Rendered body type: text/plain

Since 791 will be compatible with the new Mic-E's available at Dayton, I
wanted to get it posted to replace 790 on the SIG. It also tweaks some
items discovered recently in 790...

* FULLY NEW-Mic-E compatible. 790 only decoded NEW Mic-E's with TELEMETRY
  and had errors between 100 and 109 deg longitude
* Added INTERRUPT 2F so that APRSdos releases 90% of its time to Windows
  in foreground
* Fixed MAPFIX32 problem saving NORMAL maps if points outside...
* Fixed UTC problems on the 30th of 30 day months
* Hot Key Maps now reset the LABELS scale factor
* MAP-OVERLAY objects now ADDED to P-LIST get current time
* Now accepts Mac/Win WX data from other station symbols besides "_"
* Now will update time stamp on WX or NWS stations NOT sending WX.
* Now posits beginning with "!" will be light gray (no APRS online)
  and posits beginning with "=" will be white indicating APRS online
* Added symbols for Coast Guard, Camps and Parks.
* Described easy way to operate APRS on a dual floppies in INSTALL.TXT
* Added MAP-CONFIG menu so I could include MAP-CONFIG-OFFSETdatum so that
  you can enter small map datum offsets to align your map with your
  exact GPS known position.
  * Therefore re-arranged other MAP-MENUs
  * Eliminated PseudoDifferential correction which was practically useless

122. Re: [APRSSIG:12243] Re: Digi problems...

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 05 May 1997 18:27:41 -0400
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <3.0.32.19970505182552.006d06ec@coca.net>
Rendered body type: text/plain

At 10:15 AM 5/5/97 -0500, you wrote:
>Before this discussion, I calculated the needed DIGI MUTE period to be 1.2
>seconds instead of 2. So I will refer to 1.2 second mutes from here on...
------snip-----

How about a compromise? If you use a "normal" tnc, with monitor on, then
all packets are copied to the serial port. A stamp (it must be a stamp
II), can read the incomming packet, and make an intelligent decision about

disabling the PTT line. There has got to be a way to use some sort of
logic like the XOR that Ralf suggested. Also, what if a TNC that can't
hear, need to send a packet. It will think that the channel is clear
(because it's deaf), and xmit right on top of another digi. If this idea
of a $3 wide node modification does go into effect, maybe it should disable
the PTT line, not the incoming audio. Don't get me wrong, this is a
helluva step toward the correct wide node, but it needs to be hashed out
and refined a tweekle more. I don't have ANY objections to a $3 hardware
solution, so long as it doesn't hurt us in the long run.

------- now I'll step down from my soap box!! <g>
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

123. Testing of APRS for SA4 (APRSa4)

From: "Hildebrand" <bhildebrand@worldnet.att.net>
Date: Mon, 5 May 1997 15:54:56 -0700
To: <aprssig@tapr.org>
Message-ID: <19970505225533.AAA16934@toshiba>
Rendered body type: text/plain

The response about my request for stations to test APRS for SA4 has been
tremendous. Quite a number of people have sent me Email messages
requesting the test program. I will try to answer everyone in time.
Please understand that I have been inundated with Email. I also have a
real job which is unrelated to computers and Ham radio. I am also
investigating placing the program files on a FTP site so people can
download them at their convenience. Response have been good. Please
bear (grrr) with me! Thanks.

Brent Hildebrand, KH2Z
Redlands, California
bhildebrand@worldnet.att.net

124. RE: DIGI

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 05 May 1997 19:38:04 EDT
To: aprssig@tapr.org
Message-ID: <19970505.193709.2663.0.KD4EMI@juno.com>
Rendered body type: text/plain

We dont ALL have to set our FRACK to 2 secs etc.
Only if you want to directly access the DIGI as a sysop or to
post a msg. (put a msg in the connect text to set frack to 2)
Mike
KD4EMI@JUNO.COM

125. Re: Digi problems...

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 05 May 1997 19:52:17 EDT
To: joefoor@digitalexp.com
Cc: aprssig@tapr.org
Message-ID: <19970505.195101.2663.1.KD4EMI@juno.com>
Rendered body type: text/plain

>Stop and think about it... If you deafen your digi for two seconds
>after every transmission, then silence your local stations for the
>same
>period, that will reduce your local net's capacity by about 65%. Also,

------------------SNIP SNIP
KD4EMI REPLY
Remember, only if your connecting to the digi do you have to change the
frack. Only the sysop of the digi, and if you post
msgs on the digi (Does anyone ?) would have to change the frack
value   is this correct or am I missing something ?
Mike

126. DIGI AGAIN

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 05 May 1997 20:01:06 EDT
To: aprssig@tapr.org
Message-ID: <19970505.195951.2663.3.KD4EMI@juno.com>
Rendered body type: text/plain

Remember folks throughput is increased as I see it.
Why ?
#1   ONLY ONE STATION goes deaf at one time !
       Therefore no collisions with generic unproto path

#2   the only one worried about acks is the sysop when he connects
       to the station

#3   The thing is running right now at EMI digi, and I am seeing no
   problem yet. And I can connect to it without a problem.

Bob ?

127. Problem with WinAPRS WX graphing

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 05 May 1997 20:37:26 -0500
To: Keith Sproul <ksproul@hardees.rutgers.edu>, Mark Sproul <sproul@ap.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <336E8B56.4ECE@stans.com>
Rendered body type: text/plain

I've noticed something new with version 1.4.5 of WinAPRS; a "hole" in graphing some stations. In particular, two...

WA9CJN-15 is a wide/relay that is also a weather station. It is running APRS for DOS, version 7.87 from the beacons, and it's "powered" by a Ultimeter II. I get course and speed information from it, but the temperature is not recorded. And the icon shows the wind "barb" on the map.

Well, I *think* it isn't being reported; it doesn't show up in the dialog box that appears when I double-click on it. The other place it would show up, on the graphs, but CJN-15 does not appear on the Lists/Weather List, so I can't graph it to see if the temp was parsed out!

The other station that has a problem is KA9VNV-3. It reports both old and new format, and all reports are corrected to Zulu time/date. When I look at the graph of history, though, I have a gap - it runs from 1400 to 1900 local time.

Let's see... I'm set for "UTC-5", and the station I'm listening to is broadcasting UTC time (+5 from local), and this gap is consistant at 1900 to 2400Z... I wonder if the gap is when WinAPRS is trying to calculate the new day on something that already has has the new date, and discarding the data?

For the record, the time calcs on VNV-3 have been verified... it IS transmitting the correct date/time info, including correcting for 28/29/30/31-day months. I've got the logs; I should try to see if the current logs work fine with 1.3.0 and 1.4.0...

128. More on WinAPRS WX graphs

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 05 May 1997 21:13:17 -0500
To: Keith Sproul <ksproul@hardees.rutgers.edu>, Mark Sproul <sproul@ap.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <336E93BD.7AD7@stans.com>
Rendered body type: text/plain

For further information, I replayed the logs from the last two days in both 1.3.0 and 1.4.0, with the following results:

1.3.0 graphed all of KA9VNV-3's data properly, CJN-15 appears on the Weather list, and CJN-15 also graphs fine.

1.4.0 only occasionally graphs VNV-3's data (about 10 points out of several hundred), and CJN-15 isn't on the Weather list.

1.4.5, as reported earlier, has the 5-hour "hole" in plotting VNV-3, and CJN-15 still isn't in the Weather list.

129. Re: [APRSSIG:12240] Re: Digi problems...

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 5 May 1997 20:59:43 -0600 (MDT)
To: "Foor, Joe" <joefoor@digitalexp.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970505205112.19557D-100000@nova.dimensional.com>

Rendered body type: text/plain

On Mon, 5 May 1997, Foor, Joe wrote:

> Well gang, I can't help feeling that you are in the process of deciding
> to cripple your local nets, to avoid annoying a few people who use
> inconsiderate operating practices.
>
> Stop and think about it... If you deafen your digi for two seconds
> after every transmission, then silence your local stations for the same
> period, that will reduce your local net's capacity by about 65%. Also,
> it will force all local stations to transmit during the remaining 35% of
> the time, increasing collisions and further reducing the net efficiency.

Another solution to the problem, I believe anyway, is to have SYNCHRONIZED
IDing. In other words, if Station A is IDing every 10 secs., then why
don't *YOU* set *YOUR* station to ID like every 15 secs.???

Granted, there are only 60 secs. in a minute, and there are an awful lot
of stations using APRS, but when you really think about it, the FCC only
requires us to ID once every 10 MINUTES, so, conceivably speaking, one
could set his TNC up whereas it'll only have to ID *ONCE* EVERY 9 MINUTES
OR SO!!

By doing this, we reduce QRM *AND* we are *STILL* in compliance with Part
97 of the FCC Rules.

I stand corrected if I am wrong on any or part of the above statement. :-)

Just my humble opinion.... :-)

> regards,

Patrick, KB0OXD
Denver, Colorado

130. APRS mobile to Dayton

From: Ann Reeves <annr@comtch.iea.com>
Date: Mon, 5 May 1997 20:33:34 -0700 (PDT)
To: aprs <aprssig@tapr.org>
Message-ID: <Pine.UW2.3.95.970505200851.16163F-100000@comtch>
Rendered body type: text/plain

WA7RVV will be on the way to Dayton, departing 12 May from Spokane,WA; to
Billings,MT; Rapid City, SD; Albert Lee,MN; Des Moines, IA; Peoria,IL;
Indianapolis and then into Dayton.   Arriving on 15 May. We'll backtrack
that same route home departing 18 May.

The frequency will be 145.79, transmitting APRS data every 5 minutes.
(Unless those of you who have been doing this every year suggest
transmitting with a different frequency)   I suppose that 2 WIDES would be
in order.

See you at Pizza, 73 Jim

131. Spare Dayton room already gone

From: rwf <rwf@mindspring.com>
Date: Tue, 06 May 1997 01:04:39 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970506010434.00b54c44@mindspring.com>
Rendered body type: text/plain

My spare room has already been allocated. See y'all there.
We'll be the hotel with more APRS icons per capita on the air than any
other hotel in Dayton!
We'll also post the freq of our portable repeater so APRSers can meet up
during the 'fest.

Ralph

132. aprs and HF propagation beacons.

From: MCCrackerD@aol.com
Date: Tue, 6 May 1997 02:27:32 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970506022731_610707003@emout20.mail.aol.com>
Rendered body type: text/plain

Hello to all:
   I am relatively new to the list and APRS so perhaps this has been

discussed but...

It seems to me one of the most obvious applications for APRS would be HF propagation beacons.

For instance couldn't the worldwide beacon networks intersperse a little APRS Packet in their transmissions? obviously hf packet is going to be unreadable at times when CW would be readable but it seems like it could be useful. It might also be fun to watch. I suppose it could even be gated up onto the local VHF Aprs networks.

But beyond that wouldn't a APRS beacon freq on each HF band be more efficient use of the spectrum anyway?

David Lowery
KF4KRF
Aylett VA

133. [APRSSIG:12214] Re: Energizer Bunny's Callsign -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Tue, 06 May 1997 07:44:32 -0500
To: jreinh@ix.netcom.com, aprssig@tapr.org
Message-ID: <s36ee335.083@mail.rkd.snds.com>
Rendered body type: text/plain

How about WABB1t? That should do it! 73, Paul WA9FFL

> > NO! Absolutely not! The Energizer Bunny is obviously, and proudly,
> >American (although the argument could be made for him (her?) to have an
> >XE prefix.) 73
>
> EB1EB is fine!! If the Energizer Bunny would stop beating that damned drum
> long enough to fill out the proper form for a temporary American call, we
> could give him WA8BIT.
>
> 73's de Wes

134. APRSdos in Window lockup

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 09:49:47 -0400 (EDT)
To: usdcc3h5@ibmmail.com
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506094704.27127M-100000@arctic>
Rendered body type: text/plain

On Tue, 6 May 1997 usdcc3h5@ibmmail.com wrote:

> Bob; I tried APRS791 within Windows 95 and it still locks up the system
> when I try windowing...thought you might like the input.

APRSdos REPLY/COMMENT: Im stumped. In 2 betas after 790 and then in 791, I added the INTERRUPT 2F code to APRSdos so that it would release the CPU when it was not busy. Now this station is getting a lockup whenever he tries to window APRS. Can anyone else shed some light on this?

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

135. Subscribe

From: "Alan Logue" <logue@a011.aone.net.au>
Date: Tue, 6 May 1997 23:17:50 +0930
To: <aprssig@tapr.org>
Message-ID: <199705061356.XAA09665@mail.mel.aone.net.au>
Rendered body type: text/plain

subscribe
help
list
Logue and Associates
PO Box 689
Morphett Vale
South Australia

Phone Aust (61) 08-83844443

136. APRSdos Grid Squares

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 10:15:46 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506101115.6596A-100000@arctic>
Rendered body type: text/plain

I need someone to double check my Grid Square readings using the
MAPS-PLOTS-GRIDsq. Specifically the last 2 digits and specifically in the
East and SOUTH hemispheres. If you can find an error, please document and
report it. I think the GARMIN-38 will do this directlly. I dont have
one... Notice that neither report below gives me any useful
information...

> Bob: I think the translation of this refers to last two grid square letters
> I noticed this some time ago for my own QTH and what APRS says my grid
> square is..
> ----------
> From: aprssig@tapr.org on behalf of Garcia Derwick R. E.
> Sent: Friday, May 02, 1997 4:59 PM
> To: aprssig@tapr.org
> Subject: [APRSSIG:12175] QTH Locator
>
> Have checked my exact position with help of a GPS. It now happens that
> feeding info to different soft it ALLWAYS comes a difference in the two
> last letters. Is it known some soft RELIABLE ? Thanks for any help,
> LW5EFL

137. Re: [APRSSIG:12260] APRSdos in Window lockup

From: Nick <nick@cycat.com>
Date: Tue, 06 May 1997 12:06:50 -0400
To: aprssig@tapr.org
Message-ID: <336F571A.6E48@cycat.com>
Rendered body type: text/plain

bruninga@nadn.navy.mil wrote:
>
> On Tue, 6 May 1997 usdcc3h5@ibmmail.com wrote:
>
> > Bob; I tried APRS791 within Windows 95 and it still locks up the system
> > when I try windowing...thought you might like the input.
>
> APRSdos REPLY/COMMENT: Im stumped. In 2 betas after 790 and then in 791,
> I added the INTERRUPT 2F code to APRSdos so that it would release the CPU
> when it was not busy. Now this station is getting a lockup whenever he
> tries to window APRS. Can anyone else shed some light on this?
>

Have written him directly with questions. Since ya'll helped me with
problems I had recently, have been running aprs790 with no problem
(except this annoying tone squeal when aprs is receiving packets, which
does go away after few seconds) while running it in background. Have
aprs790 in background now while on-line with internet and e-mail and
playing audio CD. No lockups.

Wonder if it may be IRQ conflicts?

Keith,KF4BXT
keith.kotch@cycat.com

138. APRS mobile to Dayton

From: Tony McConnell <n3jly@erols.com>
Date: Tue, 6 May 1997 13:46:08 -0400 (EDT)
To: aprssig@tapr.org
Cc: frussle@erols.com
Message-ID: <199705061746.NAA12859@smtp2.erols.com>
Rendered body type: text/plain

ok, i'm flying from Baltimore to Dayton.

i just want to get this right, we'll be at about 10,000 feet and we
should beacon about once per minute, with a path of w,w,w,w?

139. Re: [APRSSIG:12264] APRS mobile to Dayton

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Tue, 6 May 1997 13:11:46 -0500

To: n3jly@erols.com, aprssig@tapr.org
Message-ID: <v03007804af94de80d85c@[138.87.2.109]>
Rendered body type: text/plain

Make sure the DCD light is on all the time, so you can hear me and others
connect with you.

>ok, i'm flying from Baltimore to Dayton.
>
>i just want to get this right, we'll be at about 10,000 feet and we
>should beacon about once per minute, with a path of w,w,w,w?

/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/\

140. HARRIS 2400 baud HF modems

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 14:57:28 -0400 (EDT)
To: jjc@infi.net
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506145446.26650C-100000@arctic>
Rendered body type: text/plain

Its been about a month since you first announced the availability of
these 2400 baud HF modems for $100 on the APRSsig. I guess they have
had their chance to get them first, so now may as well let the rest of the
HF hams get them... So I posted something about them on the HF sig.

Thanks for the manual. It looks great...

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

141. Re: [APRSSIG:12264] APRS mobile to Dayton

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 15:00:36 -0400 (EDT)
To: Tony McConnell <n3jly@erols.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506145908.26650D-100000@arctic>
Rendered body type: text/plain

On Tue, 6 May 1997, Tony McConnell wrote:

> ok, i'm flying from Baltimore to Dayton.
>
> i just want to get this right, we'll be at about 10,000 feet and we
> should beacon about once per minute, with a path of w,w,w,w?

APRSdos REPLY/COMMENT: Thanks for asking. ABSOLUTELY NOT. At 10,000
feet you dont need to hit ANY WIDES, because everyone willl hear you
direct. If you did WWW, yo would totally saturate the network throughtout
your entire flight, hi hi.   I would set one WIDE. NO MORE.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

142. My WEB page broke?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 15:09:33 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506150554.26650G-100000@arctic>
Rendered body type: text/plain

I just noticed that I cant get my WEB page to work. I checked with our
sysop and he says all java seems to be broke here at work. They think our
network site version of netscape is broke. If my web pages have
worked for you before, could you test it now and lemme know if it works
from off-site? Try the VHF RADIO page. Thanks.

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html

143. Any live javAPRS at Dayton?

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Tue, 6 May 1997 14:26:06 -0500
To: aprssig@tapr.org
Message-ID: <v03007806af94ef71d374@[138.87.2.109]>
Rendered body type: text/plain

```
Any live javAPRS at Dayton planned? Is someone going to put "us" on the web
live?  What is the URL if you are?

The Atlanta Olympics was something. Dayton would be better.


/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord  k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
```

144. Re: [APRSSIG:12268] My WEB page broke?

From: Steve Dimse <sdimse@bridge.net>
Date: Tue, 6 May 97 15:43:52 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705061943.PAA02924@bridge.net>
Rendered body type: text/plain

```
>I just noticed that I cant get my WEB page to work.  I checked with our
>sysop and he says all java seems to be broke here at work.  They think our
>network site version of netscape is broke.  If my web pages have
>worked for you before, could you test it now and lemme know if it works
>from off-site?  Try the VHF RADIO page.  Thanks.
>
>See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
>
Both the VHF and HF pages work fine for me. If there is a problem with
java in your network Netscape, it would only affect the local display of
the data, no effect on other users.

Steve K4HG
```

145. Davis WeatherLink 4.0 For Windows

From: "Alan K. Unangst" <alanwc7r@primenet.com>
Date: Tue, 06 May 1997 12:48:09 -0700
To: aprssig@tapr.org
Cc: bitbucket@qsl.net
Message-ID: <3.0.1.32.19970506124809.0069e910@pop.primenet.com>
Rendered body type: text/plain

```
Davis Instruments has just released their WeatherLink 4.0 program for
Windows. I was fortunate enough to have helped Beta test this fine new
product, and it is superb. It has features that include NOAA reports,
automatic FAXing of data and much much more. This is an incredible
improvement over their DOS based program, and more than worth the small
upgrade price.

Davis has priced the Upgrade at  only $49.00, and the entire WeatherLink
program, for new users, at $165.00.

The program is completely compatible with WinAPRS and APRS. Davis has shown
themselves to be strong supporter of Amateur Radio, and this new program
and pricing proves this.

If you have any questions you can contact Davis Instruments directly at
1-800-678-36699 or E-mail sales@davisnet.com

I hope you find this information helpful.

73, & hope to see you on the map,

Alan

Alan K. Unangst, WC7R
Phone: (520) 445-1465
FAX: (520) 445-5755
E-mail: alanwc7r@primenet.com
Amateur Radio Packet: WC7R @ KB7FRV
```

146. Re: [APRSSIG:12267] Re: APRS mobile to Dayton

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 06 May 1997 14:49:25 -0500
To: bruninga@nadn.navy.mil

Cc: aprssig@tapr.org
Message-ID: <336F8B45.1042@stans.com>
Rendered body type: text/plain

I'd say Tony was being a bit facetious... B-)

However, I've been contemplating taking my APRS system with me in the
plane, with the alias of TALL...~

147. Re: [APRSSIG:12270] Re: My WEB page broke?

From: Nick <nick@cycat.com>
Date: Tue, 06 May 1997 16:48:12 -0400
To: aprssig@tapr.org
Message-ID: <336F990C.4C7F@cycat.com>
Rendered body type: text/plain

sdimse@bridge.net wrote:
>
> >I just noticed that I cant get my WEB page to work. I checked with our
> >sysop and he says all java seems to be broke here at work. They think our
> >network site version of netscape is broke. If my web pages have
> >worked for you before, could you test it now and lemme know if it works
> >from off-site? Try the VHF RADIO page. Thanks.
> >
> >See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> >
> Both the VHF and HF pages work fine for me. If there is a problem with
> java in your network Netscape, it would only affect the local display of
> the data, no effect on other users.
>
> Steve K4HG

Working in Orlando too. (This stuff is ADDICTIVE) We really need to get
lives! (Hi,Hi) :-)

Keith,KF4BXT
keith.kotch@cycat.com

148. WX question

From: Richard Amirault <amirault@shell1.tiac.net>
Date: Tue, 6 May 1997 17:19:27 -0400 (EDT)
To: APRS sig group <aprssig@tapr.org>
Message-ID: <Pine.BSF.3.95q.970506171135.2034B-100000@shell1.tiac.net>
Rendered body type: text/plain

I'm running my WX station with APRSdos 7.7b We have been adding more WX
stations in our area lately. I usually zoom out till I can see most of the
stations on the screen. I use the Wx, Display, Temp command to change the
callsigns of the WX stations to Temp/Rain info. This way I can get a good
picture of local conditions at a glance.

I notice that those local stations running the Windows version often have
a problem displaying info (on my screen) As I understand it (not having
the Windows version), the Windows version also transmits a standard
Position packet string in addition to the WX packet string. When this
happens (a standard packet) the WX display for that station is replaced by
garbage (since APRS replaces the valid WX data with standard position data
that cannot be parsed into WX info)

Has this been fixed in the latest version?

Richard Amirault   N1JDU   Boston, Massachusetts USA
amirault@tiac.net   "Go Fly A Kite"

149. Re: DOS maps on WinAPRS?

From: wd4et@juno.com
Date: Tue, 6 May 1997 17:18:42 EST
To: aprssig@tapr.org
Message-ID: <19970506.172039.4326.5.wd4et@juno.com>
Rendered body type: text/plain

I have a set of detailed maps for Duval County, FL. It is a large set of
files that cover small areas of the county. They were written in a DOS
APRS format. Each individual files displays properly. I have been unable
to determine a method from the included documentation and faqs, to
combine them into a larger display ares in WinAPRS.

Anyone have ideas?

Thanks, Jeff WD4ET

150. HF tones!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 17:42:03 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506171011.26650Q-100000@arctic>
Rendered body type: text/plain

Well here we are a year later, and the Naval Academy just bought new TNC's with different tones than the old ones, so we have an impossible frequency problem. NO PROBLEM at all on HAM freqs where you can tune to 10 HZ, but with commercial radios with only 100 hz tuning, mixed brands of TNC's just will not work. Notice that none of the FIVE freqs are increments of 100 hz from each other! Add to this the fact that even if we do tweak them to work with dialed in 500 HZ offsets, then imagine what happens when someone tries to talk VOICE on the radio. Half the boats cant understand the SSB of the OTHER half! because of the 500 hz difference... ARGH!

Here is a summary which has been calculated based on the National APRS tracking frequency which emmits packet tones on 10.149.2 and 10.149.4 MHz. The dial frequency column below is what you should see on your radio with your TNC:

HF TNC	LOW	CENTER	HIGH	SHIFT	DIAL FREQ	LSB
KAM	1600	1700	1800	200	10.151.000	W3ADO TNC defined 10.151
PComm TNC-320	1600	1700	1800	200	10.151.000	
MFJ 1270/74B	1600	1700	1800	200	10.151.000	No longer in production
AEA DSP-232	1600	1700	1800	200	10.151.000	Selectable
MFJ 1270/74c	2125	2210	2295	170	10.151.510	Current MFJ's
MFJ 1278	2125	2210	2295	170	10.151.510	
PComm TNC-220	2025	2110	2195	170	10.151.410	
BEL 103	2025	2125	2225	200	10.151.425	Original HF Pkt modem
PK-88	2025	2125	2225	200	10.151.425	
PK-232	?	?	?	?		
PK-2232	?	?	?	?		
PK-900	?	?	?	?		
DSP-12	2125	2225	2325	200	10.151.525	
AEA DSP-232	2125	2225	2325	200	10.151.525	Selectable

If you have data that differs from the above, lemme know. Thanks.

151. APRSA4 screen dump

From: bob <w2g3zfj@unix.asb.com>
Date: Tue, 06 May 1997 17:58:14 -0400
To: aprssig@tapr.org
Message-ID: <336FA976.6788@unix.asb.com>
Rendered body type: text/plain

Hi Folks

I've just put a screen dump of the CT area on my home page using Brent KH2Z's APRSA4 program.

Looks real neat!

Kudos to Brent

73 de bob

http://www.asb.com/usr/w2g3zfj/aprs1.htm

152. APRS web page

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 6 May 1997 17:51:14 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970506174816.26650U-100000@arctic>
Rendered body type: text/plain

THANKS for everyone who took time to check out my WEB page. The majority
said it is working fine. This says that our networked version of NETSCAPE
has broken. Thanks again. Now we will know where to look...

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

153. FS: 386 desktop computer -- NEW PRICE!!!!

From: Patrick Cook <patcook@dimensional.com>
Date: Tue, 6 May 1997 16:09:49 -0600 (MDT)
To: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970506160535.7383A-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 2 May 1997, Patrick Cook wrote:

> Hello everyone:
>
> Apologies for using the APRS SIG list for this purpose, but I am selling
> my 386 computer (the very one I'm using right now) in order to upgrade to
> a better (not to mention more modern) system.
>
> It has the following:
>
> * 40 Megabyte scuzzy HD (not yet installed) with matching motherboard
> * 14.4 USRobotics external modem with cable
> * 2 floppy drives (5 1/4")
>
> Will sell as PACKAGE DEAL ONLY!!! Asking price: $300 obo.
>
> If interested, email me at patcook@dimensional.com or you may call me at
> 303-698-9082
>
> I look forward to your reply....
>
> Patrick Cook
> patcook@dimensional.com
> Denver, Colorado
>
> P.S.: SPAMMERS AND OTHER USENET LOSERS NEED NOT REPLY *OR* CALL!!!

> P.P.S.: LOCAL AREA BUYERS PREFERRED, _BUT WILL SELL NATIONALLY IF
>   NECCESSARY!!!!_

154. Re: aprs lockup in Win95

From: Nick <nick@cycat.com>
Date: Tue, 06 May 1997 18:30:39 -0400
To: aprssig@tapr.org
Cc: usdcc3h5@ibmmail.com
Message-ID: <336FB10F.6271@cycat.com>
Rendered body type: text/plain

usdcc3h5@ibmmail.com wrote:

>I'm trying to use APRS790 but I keep seeing a "ERROR 5" lock up. I
>have also seen lock-up's on APRS787, but no "ERROR 5". I have not >changed
>my computer or video drivers. I'm using a KPC-2 with a 486-40mz computer
>running Windows 3.11. I am able to run APRS77f without any problems.

>For now I'm
> trying the software out without connecting any TNC. When I start the
> program I enter (N) to the port questions. I'm new at Windows 95 and >have
> been running 3.11. So I'm windowing using the Alt-Tab keys. I will >give ur
> method a try and see how it works....is there any other running ideas >I
> need to know? Any special installation method? I just installed the >3.11
> way..am I doing something wrong there?
> Jerry - WA8EQP
>
>Nick; I tried both of your methods....and ur correct that the second
>method does place the ICON on the taskbar.....BUT the system
>still LOCKS UP...solid! So I tried the first method(long path)
>well I did get to the "cancel" bar but the system again was
>locked up solid. Again I'm not running to a TNC therefore no
>porting..so there should not be an IRQ problem.

Jerry,

I'm posting this reply back to SIG in hopes of others' suggestions.

I ran 787 as you were doing without problems. I tried to unzip 791 but kept getting error message about maps! Still working on trying to get newest release unzipped. You don't happen to be running DriveSpace do you? Wondering if Memory could be problem? Have you tried running program with the TNC? I'm not familar with KPC-2...was that a typo and should be KPC-3?

Keith,KF4BXT
keith.kotch@cycat.com

155. re: [APRSSIG:12267] Re: APRS mobile to Dayton

From: Earl Needham <needhame@3lefties.com>
Date: Tue, 6 May 1997 16:43:49 -0700
To: aprssig@tapr.org, bruninga@nadn.navy.mil
Message-ID: <BMSMTP8629621900needhame@server.3lefties.com>
Rendered body type: text/plain

Perhaps a GATE, but cut the beacon interval to 5 or 10 minutes?

Earl Needham, KD5XB
Clovis, NM
Wood Badge at Philmont! http://www.geocities.com/Yosemite/7582/
KD5XB@AMSAT.ORG
Phi Mu Alpha Sinfonia, Pi Chi '76

> From: Bob Bruninga <bruninga@nadn.navy.mil>, on 5/6/97 4:38 PM:
> On Tue, 6 May 1997, Tony McConnell wrote:
>
> > ok, i'm flying from Baltimore to Dayton.
> >
> > i just want to get this right, we'll be at about 10,000 feet and we
> > should beacon about once per minute, with a path of w,w,w,w?
>
> APRSdos REPLY/COMMENT: Thanks for asking. ABSOLUTELY NOT. At 10,000
> feet you dont need to hit ANY WIDES, because everyone willl hear you
> direct. If you did WWW, yo would totally saturate the network throughtout
> your entire flight, hi hi.   I would set one WIDE. NO MORE.
>
> Reply mail addr: wb4apr@amsat.org
> US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
> See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html
>
>
>
>

156. ID Timing (WAS: Re: Digi problems...)

From: Arte Booten <n2zrc@webspan.net>
Date: Tue, 06 May 1997 09:34:54 -0400
To: aprssig@tapr.org
Message-ID: <336F337E.4634@webspan.net>
Rendered body type: text/plain

Hi all,

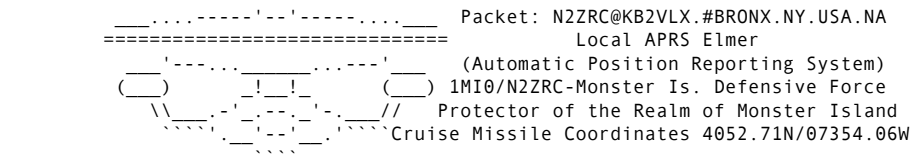
Patrick Cook wrote:

>... the FCC only requires us to ID once every 10 MINUTES, so, one could
>set his TNC up to ID *ONCE* EVERY 9 MINUTES ... By doing this, we re-
>duce QRM *AND* are *STILL* in compliance with Part 97 ...

     Actually, this would INCREASE QRM. The 10 minute rule, in this case, is referring to those of us that are WIDEs or GATEs, normally digipeating what they hear as a function of their existence.

     Remember, EVERY packet an individual station (base, mobile or portable) already has their callsign in the header. Therefore, for most of us, HID is a redundant packet and any BBS or NODE information contained in it would be conveyed to other APRS'ers more effectively by putting such information into your POSIT or STATUS text.

     And, before somebody else points it out, even though most of us also have our aliases set to RELAY and occasionally digi some few packets, this is usually the exception rather than the rule. We'll probably TX an ID within ten minutes of that packet anyway. 73
--
               __   Mr. Arte Booten mailto:N2ZRC@webspan.net


Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W

... But those coordinates are deep within the planetoid ...

157. Re: APRSdos in Window lockup

From: joefoor@digitalexp.com (Foor, Joe)
Date: Tue, 06 May 1997 18:26:41 -0500
To: aprssig@tapr.org
Message-ID: <336FBE31.47F@digitalexp.com>
Rendered body type: text/plain

Nick wrote:

> (except this annoying tone squeal when aprs is receiving packets, which
> does go away after few seconds) while running it in background.

I used to get that when I was running Win3, but when I upgraded to
Win95, that went away. Now, I periodically pull APRS up so I can check
the message screen, to see if anyone sent me anything while it was in
the background.

regards,
Joe kf4dys

158. Re: [APRSSIG:12271] Davis WeatherLink 4.0 For Windows

From: rwf <rwf@mindspring.com>
Date: Tue, 06 May 1997 20:53:45 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970506203357.006a6838@mindspring.com>
Rendered body type: text/plain

Wow, that is expensive!! It better do a heck of a lot (including make
lunch) to cost $165.00!! There are not a lot of other Windows programs
(excepting suites and some Microsoft products, and autocad) that cost that
much.

At 03:02 PM 5/6/97 -0500, you wrote:
>Davis has priced the Upgrade at only $49.00, and the entire WeatherLink
>program, for new users, at $165.00.

159. Re: [APRSSIG:12268] My WEB page broke?

From: Patrick Cook <patcook@dimensional.com>
Date: Tue, 6 May 1997 19:11:10 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970506190854.12145A-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 6 May 1997, Bob Bruninga wrote:

> I just noticed that I cant get my WEB page to work. I checked with our
> sysop and he says all java seems to be broke here at work. They think our
> network site version of netscape is broke. If my web pages have
> worked for you before, could you test it now and lemme know if it works
> from off-site? Try the VHF RADIO page. Thanks.
>
> See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html

Dunno if they fixed the problem or not, but I was able to at least bring
up the text portion without any difficulties, FWIW.... :-)

73's for now my friends!! :-)

Patrick, KB0OXD (still using Lynx as a web browser :()
Denver, Colorado

160. Re: [APRSSIG:12273] Re: My WEB page broke?

From: Patrick Cook <patcook@dimensional.com>
Date: Tue, 6 May 1997 19:14:41 -0600 (MDT)
To: Nick <nick@cycat.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970506191342.12145B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 6 May 1997, Nick wrote:

> > Both the VHF and HF pages work fine for me. If there is a problem with
> > java in your network Netscape, it would only affect the local display of
> > the data, no effect on other users.
> >
> > Steve K4HG
>
>
> Working in Orlando too. (This stuff is ADDICTIVE) We really need to get
> lives! (Hi,Hi) :-)

LIVES?!?!? What are those??? :-) heheheh

Patrick, KB0OXD

161. Re: [APRSSIG:12282] ID Timing (WAS: Re: Digi problems...)

From: Patrick Cook <patcook@dimensional.com>
Date: Tue, 6 May 1997 19:49:36 -0600 (MDT)
To: Arte Booten <n2zrc@webspan.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970506194315.12145E-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 6 May 1997, Arte Booten wrote:

> Hi all,
>
> Patrick Cook wrote:
>
> >... the FCC only requires us to ID once every 10 MINUTES, so, one could
> >set his TNC up to ID *ONCE* EVERY 9 MINUTES ... By doing this, we re-
> >duce QRM *AND* are *STILL* in compliance with Part 97 ...
>
>   Actually, this would INCREASE QRM. The 10 minute rule, in this
> case, is referring to those of us that are WIDEs or GATEs, normally di-
> gipeating what they hear as a function of their existence.

Ahhh....But remember we don't *neccessarily* have to do so every 9
minutes. I just threw that in for the sake of discussion. We can
set our TNC's (and I'll be getting mine soon, BTW :)) whereas it'll
send out our packets at least once ANYTIME *WITHIN THE 10 MINUTE LIMIT!!!*

>   Remember, EVERY packet an individual station (base, mobile or por-
> table) already has their callsign in the header. Therefore, for most of
> us, HID is a redundant packet and any BBS or NODE information contained
> in it would be conveyed to other APRS'ers more effectively by putting
> such information into your POSIT or STATUS text.

This can be considered as an ID because it tells the world you are on the
air. This has the same effect as me getting on our local repeater and
saying "This is KB0OXD monitoring...".

Just my humble opinion, FWIW.... :-)

Patrick, KB0OXD

162. Re: [APRSSIG:12284] Re: Davis WeatherLink 4.0 For Windows

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 06 May 1997 21:10:49 -0500
To: rwf@mindspring.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <336FE4A9.27A0@stans.com>
Rendered body type: text/plain

Remember that new purchasers of Davis' software also get the serial
interface/data logger "block" that plugs into the basic weather station.
Unlike the Peet units, the serial interface is NOT part of the weather
station itself!

rwf wrote:
>
> Wow, that is expensive!! It better do a heck of a lot (including make
> lunch) to cost $165.00!! There are not a lot of other Windows programs
> (excepting suites and some Microsoft products, and autocad) that cost that
> much.

163. Re: HARRIS 2400 baud HF modems

From: Jim Conrad <jjc@infi.net>
Date: Tue, 6 May 1997 22:38:02 -0400 (EDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <2.2.16.19970506223847.417f1960@shellhost.pilot.infi.net>
Rendered body type: text/plain

At 02:57 PM 5/6/97 -0400, Bob Bruninga wrote:
>Its been about a month since you first announced the availability of
>these 2400 baud HF modems for $100 on the APRSsig. I guess they have
>had their chance to get them first, so now may as well let the rest of the
>HF hams get them... So I posted something about them on the HF sig.
>
>Thanks for the manual. It looks great...

No problem, their is still on going work by a couple of my customers on
getting them up and running on the hams bands.

I've been busy with other things in the last month or so and haven't had any
time to put out any more postings about them. Thanks for doing it for me.
I'm going to Dayton and will take a few with me.

I'll keep you informed as the experimentation goes on.

Thanks and 73's .. Jim

```
<:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:>
<:>       Jim Conrad - Ocean View Communications - jjc@infi.net      <:>
<:>  757-490-8127 Office  -  757-587-8251 Fax - 757-473-6740 Pager   <:>
<:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:><:>
```

164. A question on JAVA APRS..

From: Bob Merchant <KB8AST@mwweb.com>
Date: Wed, 07 May 1997 08:20:24 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970507082024.006a4c8c@MAIL.mwweb.com>
Rendered body type: text/enriched

...Pardon an old man's ignorance, but how are you folks with the web sites working this fancy stuff where others can watch what's happening in your area? I think it is the neatest thing going!

Yea, I know, the puritans in our service/hobby would give cause for argument about "IT'S NOT AMATEUR RADIO!" to use the I'net to pass information (just try being a sysop on a PBBS and take a look at all the TO: SYSOP stuff)...but it would be a way to link the entire US if it were a three legged, two way connection. The thread about getting the TNC manufacturer's to force legal call signs when digipeating via an alias, would eliminate any returns through the wormhole, and if the software were written to compare recently received packet with the intent of eliminating those already repeated packets. The other alternative would be to use a pbbs feed with a software package such as MSYS which will permit changing any incoming "to be digipeated by: LEGITIMATE CALLSIGN/GATE/WIDE/MYALIAS/PICK-A-WINNER" to a legitimate call sign.

Why "three legs " you ask? Unless someone volunteers to be a BIG bridge/hub for all the I'net activity, you are going to need at least two ports just for linking stations together, plus a radio tnc (HF/VHF) link to provide a communication link for your LAN (with just a single port tnc..that's three; with a dual port tnc... that is four!) Once again, when gating HF, the software will need to recognize already wormholed information, because several stations are going to be receiving that information and putting it into the I'net link.

With some co-operation from SKYWARN participants, imagine the possibilities. If we could link major areas of the US with this information, including our weather station information (we are now up to a possible five legs), the NWS could have a weather picture of the entire country. You want to talk about people being "on-board" in a sever weather situation.... this could inform the entire world what's happening weather wise. If the local amateurs could provide a link to the local schools to network their school-based student weather stations, think of the educational possibilities. The students would be able to see at a glance what the rainfall is like in many localized areas, watch cold fronts progress, locate weather cells right down to someone's backyard. Think of the ability to track a tornado as it rips through neighborhoods, carving a path of destruction...you'd know when it wiped out someone's weather station...right?

May you have the pleasure of participating in an interesting
existance....73, de Bob,

E-Mail: <color><param>0000,0000,ffff</param>KB8AST@mwweb.com

</color>Internet:<color><param>0000,0000,ffff</param>

http://www.mwweb.com/kb8ast/kb8ast.htm

</color>Packet:
<color><param>ffff,0000,0000</param>KB8AST@KB8AST.#NEOH.OH.USA.NOAM</color>

165. Re: [APRSSIG:12269] Any live javAPRS at Dayton?

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Wed, 7 May 1997 12:32:05 +0000
To: aprssig@tapr.org
Message-ID: <19970507123204.AAA6273@LOCALNAME>
Rendered body type: text/plain

At 07:32 PM 5/6/97 +0000, you wrote:
>Any live javAPRS at Dayton planned? Is someone going to put "us" on the web
>live? What is the URL if you are?
>
>The Atlanta Olympics was something. Dayton would be better.

The perfect opportunity???????

To All,

I have a chance here to kill two birds with one stone but I'll need some help. The Hamvention would be the ideal platform to set up and test Javaprs for the USAF Marathon in Sept. The way I see it I have two avenues of approach (I'm sure someone will correct me if my assumptions are not entirely accurate):

1) Get some assistance to configure a Javaprs server within the base infrastructure for both the Hamvention and Marathon. This sounds simple on the surface but trust me any number of hoops can trip up the effort. This, however, is the preferred solution (train like you're going to fight).

2) (Several assumptions here) I believe someone in Atlanta (sorry this is a rush msg and I don't have the name handy to assign credit) wrote an OS/2 Javaprs server program which will allow us to collect the packets and pass them on to an already capable Javaprs server which can display them. Preferably another .mil site like the Academy. This can speed up processing through the security folks (I hope). The base has OS/2 ver. 3 available (my personal favorite) and I can come up with the TNC/radio/ant/etc.

Now, I'm just a comm engineer not a computer scientist. I'll ask the questions today at a meeting for the Marathon Committee and measure the interest. If I get the go-ahead I'll need some help acquiring and configuring the software.

Comments please from those with experience. Is there a better option? If not which sounds like it has the best chance of success by next week (discounting red tape)?

Another question: If we're all in Dayton who's going to be on the web page? hihi

Bob Mahoney, WB8CXN, USAF
(937) 429-6428 (work)
mahoner@wpdiss1.wpafb.af.mil (work)

166. Re: [APRSSIG:12283] Re: APRSdos in Window lockup

From: Nick <nick@cycat.com>
Date: Wed, 07 May 1997 09:28:12 -0400
To: aprssig@tapr.org
Message-ID: <3370836C.2730@cycat.com>
Rendered body type: text/plain

joefoor@digitalexp.com wrote:
>
> Nick wrote:
>
> > (except this annoying tone squeal when aprs is receiving packets, which
> > does go away after few seconds) while running it in background.
>
> I used to get that when I was running Win3, but when I upgraded to
> Win95, that went away. Now, I periodically pull APRS up so I can check
> the message screen, to see if anyone sent me anything while it was in
> the background.
>
> regards,
> Joe kf4dys

Thanks Joe. I should've said it before but failed to....KK7FA wrote
back and said it for me....the tone is caused by the BEEPS function.
Entering ALT-S, then (O)THER, then (B)EEPS will toggle the sound off and
also not alert the wife, dog, kids, etc.

The WxRadio Alert Siren is enough noise in the house right now! :-)

Keith, KF4BXT
keith.kotch@cycat.com

167. [APRSSIG:12291] Re: Any live javAPRS at Dayton? -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Wed, 07 May 1997 08:25:11 -0500
To: aprssig@tapr.org, rgmahon@worldnet.att.net
Message-ID: <s3703d55.009@mail.rkd.snds.com>
Rendered body type: text/plain

Robert Mahoney wrote; <
>Any live javAPRS at Dayton planned? Is someone going to put "us" on
the web
>live? What is the URL if you are?
>
>The Atlanta Olympics was something. Dayton would be better.

The perfect opportunity???????

To All,

  <SNIP>

Another question: If we're all in Dayton who's going to be on the web
page?
hihi

Bob Mahoney, WB8CXN, USAF

Some of us gots to stay home to give McDonalds a reason to open the
doors that day. The rest of you enjoy, 73 Paul WA9FFL
    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

168. Re: [APRSSIG:12284] Re: Davis WeatherLink 4.0 For Windows

From: rwf <rwf@mindspring.com>
Date: Wed, 07 May 1997 09:34:56 -0500
To: jeffb@stans.com
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970507090938.00722b58@mindspring.com>
Rendered body type: text/plain

Good point. alan should have mentioned that.
It scared me away (temporarily)

At 09:10 PM 5/6/97 -0500, you wrote:
>Remember that new purchasers of Davis' software also get the serial
>interface/data logger "block" that plugs into the basic weather station.
>Unlike the Peet units, the serial interface is NOT part of the weather
>station itself!
>
>rwf wrote:
>>
>> Wow, that is expensive!! It better do a heck of a lot (including make
>> lunch) to cost $165.00!! There are not a lot of other Windows programs
>> (excepting suites and some Microsoft products, and autocad) that cost that
>> much.
>

169. Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 07 May 1997 08:39:55 -0500
To: aprssig@tapr.org
Message-ID: <3370862B.513B@mindspring.com>
Rendered body type: text/plain

I'm still having problems with my portable WX stations beacon, i don't
think this problem is the fault of the weather station but rather APRS

in the way it's handling the output. I have now like others i received
e-mail from given up on trying to build a portable solar WX station
since the powers to be don't seam to want to support this since it
doesn't use any software. I maybe dead wrong on this but this is the
general feeling i gather. I'm now running APRSa4 beta and like APRS it
doesn't show my portable WX station at all so this tells me APRS is not
handling the WX output as it should. Like i stated before the WX is
plotted on the map and shows Windspeed, Direction, Temp, BUT THE
RAINFALL BOX IS EMPTY I MEAN EMPTY LIKE NO ZEROS, unlike all other
stations show when there's no rainfall to report WHY???. Following is my
beacon and i was told this is correct several times, if it is then why
is the rainfall section BLANK even when my control panel on the UII
shows there was 3.9" of rain.

BTEXT !3455.90N/08634.31W_Solar WX Station.
LT 1 #4007500120012 (By the way both * & # will do the same)

Something has to be wrong with the LT beacon!!!
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

170. Re: [APRSSIG:12237] Search & Rescue w/ APRS

From: Nick <nick@cycat.com>
Date: Wed, 07 May 1997 10:26:02 -0400
To: aprssig@tapr.org
Message-ID: <337090FA.6F08@cycat.com>
Rendered body type: text/plain

milnes@openix.com wrote:
>
> I'm looking for information from anyone who has used APRS in a seach and
> rescue situation or drill.
>
> How was it used? What worked and what didn't re: equipment, coordination,
> etc? Helpful hints? etc.
>
> Anything that may have been published, either here or in a mag, would
> certainly be of interest.
> (If this has been discussed on the SIG before, let me know and I'll just do
> a history search.)
>
> Ralph, KB2WBV
> Milnes@openix.com

Ralph,
Haven't seen any responses yet to your inquiry so maybe this will spark
some discussion. We've been talking about trying to set up a demo in
Seminole County, Fl (just North of Orlando) during Amateur Radio Week,
the week ending in Field Day, involving County Emergency Services to
show the capabilities and usefulness of APRS and Amateur Radio in such
operations. If we get this together, we'll let the SIG know of the plan
and the results.

(Now here's where we start getting comments!)

I see APRS very useful in large-area SAR scenarios such as the lost
child in the woods, and even in large wildfires, especially if you have
hams with GPS capability. Send a portable tracker with a SAR team and
command center can monitor SAR teams progress and coverage area.
Wildfires can be plotted, overlayed with Wx data and firefighter crews
can be dispatched to the proper locations.

Of course, all these capabilities are commercially available, but the
advantage with Amateur Radio is the Emergency Service Agencies don't
have to shell out exorbitant amounts of tax dollars for this. The
"disadvantage" may be the Amateur community's quantity of resources and
availability. But I believe with the proper leadership in an area, this
would not be so much of a problem. You might even be able to get
funding for equipment through your local agencies.....they'd still be
ahead of the game.

My suggestion is work up a scenario with your local Emergency Services
Coordinator (they used to be called Civil Defense Coordinators) and work
up a training/demo scenario. If APRS is not very active in your area,
check surrounding areas for an active group and enlist their help in
this demo. Check area ARES/RACES groups and ask about local "Jump

Teams". Maybe we need to include "Digital Jump Teams" in our
organizations.

I'm rambling but maybe this will get things started for you.

73s
Keith, KF4BXT
keith.kotch@cycat.com

BTW, think about me tonight around 21:30z as I start my upgrade
process. Only taking Code test but is big step in process.   .-.-.
...-.-

171. RE: [APRSSIG:12282] ID Timing (WAS: Re: Digi problems...)

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Wed, 07 May 1997 07:41:00 -0700 (PDT)
To: aprssig <aprssig@tapr.org>
Message-ID: <33709204@gismtpgate.gi.com>
Rendered body type: text/plain

>And, before somebody else points it out, even though most of us al-
>so have our aliases set to RELAY and occasionally digi some few packets,
>this is usually the exception rather than the rule. We'll probably TX
>an ID within ten minutes of that packet anyway. 73

Actually, I think the rule is that you have to ID at least once
every 10 minutes WHEN THE STATION IS TRANSMITTING.
In other words, if you haven't sent anything in the last 10 minutes
you don't have to ID. Sending an ID packet for the sake of ID
alone every 10 minutes is unnecessary. And as you pointed out,
every packet has the originating station's call in it anyhow.

The rule applies nicely to 'ragchews' but is probably pointless with
packet...

Perhaps setting the HID to 'AFTER' rather than 'EVERY' would be the
solution,
since you'd get an ID packet 10 minutes after the last packet was digi'd
thru your
station.

73
Dave K7NG
In the wilds of Arizona

172. Re: [APRSSIG:12290] A question on JAVA APRS..

From: Steve Dimse <sdimse@bridge.net>
Date: Wed, 7 May 97 10:31:48 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705071431.KAA19420@bridge.net>
Rendered body type: text/plain

> Yea, I know, the puritans in our service/hobby would give cause for
>argument about "IT'S NOT AMATEUR RADIO!" to use the I'net to pass
>information (just try being a sysop on a PBBS and take a look at all the
>TO: SYSOP stuff)...but it would be a way to link the entire US if it were
>a three legged, two way connection. The thread about getting the TNC
>manufacturer's to force legal call signs when digipeating via an alias,
>would eliminate any returns through the wormhole, and if the software were
>written to compare recently received packet with the intent of eliminating
>those already repeated packets. The other alternative would be to use a
>pbbs feed with a software package such as MSYS which will permit changing
>any incoming "to be digipeated by: LEGITIMATE
>CALLSIGN/GATE/WIDE/MYALIAS/PICK-A-WINNER" to a legitimate call sign.
>
> Why "three legs " you ask? Unless someone volunteers to be a BIG
>bridge/hub for all the I'net activity, you are going to need at least two
>ports just for linking stations together, plus a radio tnc (HF/VHF) link
>to provide a communication link for your LAN (with just a single port
>tnc..that's three; with a dual port tnc... that is four!) Once again, when
>gating HF, the software will need to recognize already wormholed
>information, because several stations are going to be receiving that
>information and putting it into the I'net link.
>
If you follow the sig, you know the problems that gating causes already.
Now imagine the virtually unlimited bandwidth of the internet trying to
be gated onto a local VHF network. That is why I feel any internet -> RF
gating should be restricted to messages sent to specific networks, no
beacons or posit reports.

The linking software I am working on is called APRServe (see
http://www.bridge.net/~sdimse/APRServe.html for details...and yes, I know
the picture isn't there...I never got around to drawing it!). I hope to
have the first release of this up by the DCC in October, but javAPRS
keeps sucking up more of my time than I can spare.

> With some co-operation from SKYWARN participants, imagine the
>possibilities. If we could link major areas of the US with this
>information, including our weather station information (we are now up to a
>possible five legs), the NWS could have a weather picture of the entire
>country. You want to talk about people being "on-board" in a sever weather
>situation.... this could inform the entire world what's happening weather
>wise. If the local amateurs could provide a link to the local schools to
>network their school-based student weather stations, think of the
>educational possibilities. The students would be able to see at a glance
>what the rainfall is like in many localized areas, watch cold fronts
>progress, locate weather cells right down to someone's backyard. Think of
>the ability to track a tornado as it rips through neighborhoods, carving a
>path of destruction...you'd know when it wiped out someone's weather
>station...right?
>
This example doesn't require two way gating, just one way as we have now,
and will have even more seamlessly when APRServe is operational.

Steve K4HG

173. 440 freq for APRS in Maryland

From: BF4SMK3@CHESHUB1.BELL-ATL.COM
Date: Wed, 7 May 1997 10:33:39 -0400
To: "wb4apr(a)amsat.org" <wb4apr@amsat.org>,
"aprssig(a)tapr.org" <aprssig@tapr.org>
Cc: "laurel(a)webtrek.com" <laurel@webtrek.com>,
"WB3HUP(a)aol.com" <WB3HUP@aol.com>
Message-ID: <00316000064938360000002*@MHS>
Rendered body type: text/plain

Wondering if there is an established 440 freq for APRS in Maryland,
between Baltimore and Washington?

I'll be setting up an APRS station at the Laurel Main Street Festival
this Saturday, May 10, and may need to cross-band from the computer
location to our larger antenna area. Thinking of using the 440 APRS
freq to get to the large antenna on 145.790, and back.

Thanks in advance.

Mark/N3NTQ
laurel@webtrek.com

174. Re: [APRSSIG:12291] Re: Any live javAPRS at Dayton?

From: Steve Dimse <sdimse@bridge.net>
Date: Wed, 7 May 97 10:40:22 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705071440.KAA20421@bridge.net>
Rendered body type: text/plain

>1) Get some assistance to configure a Javaprs server within the base
>infrastructure for both the Hamvention and Marathon. This sounds simple on
>the surface but trust me any number of hoops can trip up the effort. This,
>however, is the preferred solution (train like you're going to fight).
>
>2) (Several assumptions here) I believe someone in Atlanta (sorry this is a
>rush msg and I don't have the name handy to assign credit) wrote an OS/2
>Javaprs server program which will allow us to collect the packets and pass
>them on to an already capable Javaprs server which can display them.
>Preferably another .mil site like the Academy. This can speed up processing
>through the security folks (I hope). The base has OS/2 ver. 3 available (my
>personal favorite) and I can come up with the TNC/radio/ant/etc.
>
What is needed is a station, somewhere within the Dayton LAN, with full
time internet access and TNC/radio. The software could be the OS/2,
Windows NT, or Windows95 servers written by different people...the OS/2
version was written by Dale, WA4DSY in Atlanta.

For security reasons, the javAPRS Applet must be served from the same
computer that serves the data...a Java limitation, not mine.

The other possibility is to use a program such as Bob wrote for his site,

periodically uploading a log file to a distant server. This could be run
from a dial up internet user in Dayton.

Steve K4HG

175. Problems unzipping APRS791

From: Nick <nick@cycat.com>
Date: Wed, 07 May 1997 10:52:49 -0400
To: aprssig@tapr.org
Message-ID: <33709741.302A@cycat.com>
Rendered body type: text/plain

I downloaded APRS791 from TAPR and tried to unzip using both WinZip and
pkunzip -d. Both ways resulted in extracting the files and
subdirectories. I did the same with SEmaps and tried to start program.

APRS title screen starts to come up then I get error message stating it
can't find maps or maps directory.

Error message reads: STOP in line 0 of module APRS79W at address
0825:6863

Maps or MAPS directory not found

I was trying to load 791 to test out problems someone else was having.
My computer did not lock up but 791 wouldn't execute.

??????
Keith, KF4BXT
keith.kotch@cycat.com

176. Datum Conversion NADCON

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 7 May 1997 11:52:09 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970507115005.18127F-100000@arctic>
Rendered body type: text/plain

APparently there is a program called NADCON that has a table that will do
the conversion between NAD27 and WSG83 datums. Can someone find that file
and send me the table? I wanna figure out an easy way to convert all the
100K maps I made from the USGS to WGS83. Thanks.

177. Re: [APRSSIG:12297] RE: ID Timing (WAS: Re: Digi problems...)

From: Jeff Brenton <jeffb@stans.com>
Date: Wed, 07 May 1997 10:47:52 -0500
To: DBORCHER@nogmail.gi.com
Cc: aprssig@tapr.org
Message-ID: <3370A428.283B@stans.com>
Rendered body type: text/plain

As I understand it, the need to use HID would only apply ONLY if one is
digipeating using MYALIAS, and no dealiasing is done. So, if one has a
PacComm TNC that replaces an alias with MYCALL, a separate HID packet is
unnecessary...

Example:

MYCALL KA9VNV
MYALIAS WIDE

Packet comes in with this header:

K7NG>APRS,WIDE,WIDE: This is a test

If I send it out as "K7NG>APRS,WIDE*,WIDE", I need to use HID. If my TNC
dialiases the call and sends it out as "K7NG>APRS,KA9VNV*,WIDE",
however, I don't think I'd need to use HID...

Borcher, David (NG-MS) wrote:
> Actually, I think the rule is that you have to ID at least once
> every 10 minutes WHEN THE STATION IS TRANSMITTING.
> In other words, if you haven't sent anything in the last 10 minutes
> you don't have to ID. Sending an ID packet for the sake of ID
> alone every 10 minutes is unnecessary. And as you pointed out,
> every packet has the originating station's call in it anyhow.

178. Re: [APRSSIG:12296] APRSSIG digest 1006

From: Alan Crosswell <alan@watsun.cc.columbia.edu>
Date: Wed, 7 May 97 12:47:55 EDT
To: wd4et@juno.com
Cc: aprssig@tapr.org, BordingK@aol.com
Message-ID: <CMM.0.90.4.863023675.alan@manila.cc.columbia.edu>
Rendered body type: text/plain

> Date: Tue, 6 May 1997 17:18:42 EST
> From: wd4et@juno.com
> To: aprssig@tapr.org
> Subject: Re: DOS maps on WinAPRS?
> Message-ID: <19970506.172039.4326.5.wd4et@juno.com>
>
> I have a set of detailed maps for Duval County, FL. It is a large set of
> files that cover small areas of the county. They were written in a DOS
> APRS format. Each individual files displays properly. I have been unable
> to determine a method from the included documentation and faqs, to
> combine them into a larger display ares in WinAPRS.
>
> Anyone have ideas?
>
> Thanks, Jeff WD4ET

There is also a single large DOS map suitable for WinAPRS use called fldumap1.zip. It appears that Ken Bording, KF4COH, did not upload that one to ftp.tapr.org. You could ask him to upload it or get you a copy or see if he has some other recommendation like using a native WinAPRS map that may exist for Duval already. Ken and NOFARS hired me to generate those maps along with the other counties in the Jax area.

73 de Alan N2YGK

179. Re: [APRSSIG:12291] Re: Any live javAPRS at Dayton?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 7 May 1997 13:07:23 -0400 (EDT)
To: Robert Mahoney <rgmahon@worldnet.att.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970507130408.18127X-100000@arctic>
Rendered body type: text/plain

Here is my method. Run APRSweb.exe on a PC with a TNC on one com port and which has an eithernet network to the "system" which supports the WEB PAGE. Then set up your java web page and it will find the radio.TNC file right where it needs it...

I DID NOT SET UP MY WEB PAGE. A student did. But I wrote APRSweb to listen to the radio and put the radio.tnc file over to the web server every 2 minutes...

180. Re: [APRSSIG:12295] Portable WX

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 7 May 1997 13:36:38 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970507131142.18127a-100000@arctic>
Rendered body type: text/plain

APRS only displays "RAIN RATE"... That is the RATE that rain is falling. That means how much rain has fallen in a given time period. In APRSdos that is RAIN-PER-HOUR reported as Rxxx or rain per day reported as Pxxx.

A remote WX station only reports its CURRENT RAIN COUNT (#xxxx) since the last time its counter was zeroed. That could be last year or last month or the day you installed the remote WX station or the last minute. This is not a RAIN RATE, therefore APRSdos cannot display it as a rain rate. In your example below, your WX station is reporting a RAIN COUNT of 12. There is absolutely no way that APRSdos or anyother person on the planet can know what that means. It could mean any of the following:

0.12 inches total since the WX station was last 0000 (using a 100ths gage)
1.2 inches total since the WX station was last 0000 (using a 10ths gage)
12 inches total since the WX station was last 0000 (using a 1 inch gage)
12 feet total since the WX station was last 0000 (using a 1 foot gage)

The key words here are "total since the station was last zeroed"...

Unless you are going to go to the remote site and ZERO the rain counter once an hour then that rain count is only a running total and will never be a RAIN RATE and therefore APRSdos will not display it as a rain rate.

Now this is not to say that you dont have rain info.... simply look at the
#xxxx RAIN COUNT report displayed by APRSdos from your WX statin. That is
your current rain COUNT.   Keep a written LOG of what its value is. Say
once a day. THen ANY TIME the rain count CHANGES from the last reading,
then that is the RAIN SINCE YOUR LAST LOG ENTRY. If you are in the middle
of severe weather, then take a log entry of the rain count every hour.
THen every change in reading is the rain per hour. This is no differecnt
than if you had a rain gauge bucket in your yard. The amount of water in
the bucket tells you nothing about if it is raining. Only observing the
CHANGE in the water level in the bucket will tell you rain rate...

By using raw rain counts, each person can keep his own log of your remote
WX instrument based on his needs. If he is a statistician, he might check
it once a year to calculate the rainfall per year in your area. If you
are a farmer, you might keep your log once a week to see the rain fall per
week. If you are my wife, you might check it once a day before you send
me out with a hose.. If you are involved in SKYWARN, you will log it
every hour to see the progress of storms.

In these examples, the availablility of the raw rain count is even more
valuable since it doesnt reset every day. These remote WX stations give
bettter long term rain information depending on who needs the data..

 On Wed, 7 May 1997,
William Nolle wrote:

> I'm still having problems with my portable WX stations beacon, i don't
> think this problem is the fault of the weather station but rather APRS
> in the way it's handling the output. I have now like others i received
> e-mail from given up on trying to build a portable solar WX station
> since the powers to be don't seam to want to support this since it
> doesn't use any software. I maybe dead wrong on this but this is the
> general feeling i gather. I'm now running APRSa4 beta and like APRS it
> doesn't show my portable WX station at all so this tells me APRS is not
> handling the WX output as it should. Like i stated before the WX is
> plotted on the map and shows Windspeed, Direction, Temp, BUT THE
> RAINFALL BOX IS EMPTY I MEAN EMPTY LIKE NO ZEROS, unlike all other
> stations show when there's no rainfall to report WHY???. Following is my
> beacon and i was told this is correct several times, if it is then why
> is the rainfall section BLANK even when my control panel on the UII
> shows there was 3.9" of rain.
>
> BTEXT !3455.90N/08634.31W_Solar WX Station.
> LT 1 #4007500120012 (By the way both * & # will do the same)
>
> Something has to be wrong with the LT beacon!!!
> --
> Bill WA8INZ
> wa8inz@mindspring.com
> wa8inz@amsat.org
>
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

181. Re: [APRSSIG:12302] Datum Conversion NADCON

From: "David W. McNeil" <ki5vm@flash.net>
Date: Wed, 07 May 1997 14:47:03 -0500
To: aprssig@tapr.org
Message-ID: <3370DC37.4139@flash.net>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> APparently there is a program called NADCON that has a table that will do
> the conversion between NAD27 and WSG83 datums. Can someone find that file
> and send me the table? I wanna figure out an easy way to convert all the
> 100K maps I made from the USGS to WGS83. Thanks.

Bob:

I've sent you program as an attachment..
It's also posted here
http://www.flash.net/~ki5vm/ftp

Dave
ki5vm@flash.net
http://www.flash.net/~ki5vm/ki5vm.htm

182. Re: [APRSSIG:12295] Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 07 May 1997 15:27:40 -0500
To: aprssig@tapr.org
Message-ID: <3370E5BC.2D2@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> APRS only displays "RAIN RATE"... That is the RATE that rain is falling.
> That means how much rain has fallen in a given time period. In APRSdos
> that is RAIN-PER-HOUR reported as Rxxx or rain per day reported as Pxxx.
>
> A remote WX station only reports its CURRENT RAIN COUNT (#xxxx) since the
> last time its counter was zeroed. That could be last year or last month
> or the day you installed the remote WX station or the last minute. This
> is not a RAIN RATE, therefore APRSdos cannot display it as a rain rate.
> In your example below, your WX station is reporting a RAIN COUNT of 12.
> There is absolutely no way that APRSdos or anyother person on the planet
> can know what that means. It could mean any of the following:

--------------------- SNIP SNIP

But that's what i'm trying to tell you it doesn't show any at all, not
current, not past, not future, not anything!!!!!!!!!!!!!!!!!!!!!!!!!!!!
THE BOX IS ALWAYS BLANK, LIKE NOTHING, EMPTY. Not 00.00, not 00.1
nothing.
During the last tornado that went through 4 miles south of me last
weekend dumped 3.9" of rain here this was after setting it to zero the
night before and none of this showed either. Another confusing thing is
all other WX stations are showing in both APRS and APRSa4 but not my
portable it only shows in APRS (Minus rainfall of any type), that tells
me APRS is handling the portable in a different way.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

183. Maps for Dayton

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Wed, 7 May 1997 16:41:09 -0500
To: aprssig@tapr.org
Message-ID: <v03102803af965ad68010@[138.87.2.109]>
Rendered body type: text/plain

Trying to pack my MAP files and MAPLISTS together early for Dayton.

Maplist.CEN shows the right maps for zooming in on Dayton (OHDayton and
OHBooth and OHhara) but can't get zoomed in, is it I don't have the correct
center to zoom in on?

I can't tell where to put my cursor in-order-to zoom in to OHhara.map when
using the bigger map.

Please refresh my memory on how to pack my maps and maplist correctly
tailored for Dayton.

And while I'm asking, refresh my memory to set GPS with HSP on I need to:
Turn GPS on, Save it. Then, P T and save that? (I am registered for GPS)
(nevermind-will read the file tonight)

/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/

184. Re: [APRSSIG:12301] Problems unzipping APRS791

From: Jeff Brenton <jeffb@stans.com>
Date: Wed, 07 May 1997 17:11:21 -0500
To: nick@cycat.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <3370FE09.2E4E@stans.com>
Rendered body type: text/plain

I, too, had a crash when I tried to run APRS791.EXE, so I went back to 790. This was under OS/2, where I copy whatever version I'm working with to "APRS.EXE", so I don't have to add or change any OS/2 settings for APRS.

I didn't get any error message - it simply returned control to OS/2, just as if it had exited normally. However, if I tried to re-execute it immediately, it would bring up the map and freeze; I'd have to tell OS/2 to kill the DOS session.

Nick wrote:
> I downloaded APRS791 from TAPR and tried to unzip using both WinZip and
> pkunzip -d. Both ways resulted in extracting the files and
> subdirectories. I did the same with SEmaps and tried to start program.
>
> APRS title screen starts to come up then I get error message stating it
> can't find maps or maps directory.

185. New PicoPacket w/GPS

From: "Chris Dapples" <ccdapple@wtp.net>
Date: Wed, 7 May 1997 16:33:35 -0600
To: "APRSsig" <aprssig@tapr.org>
Message-ID: <9705072233.AA04071@wtpprod1.wtp.net>
Rendered body type: text/plain

Greetings All,

Two days ago I received my new PicoPacket modem with internal GPS. I have been trying to get a GPS fix ever since, but with no success. My Magellan XL gets a fix within 2 minutes and shows 6 to 8 satellites available. I have tried the Pico in both standalone and with WinAPRS but all I get in the LTEXT string is
"$GPGGA,,,,,0,0,,,,,,,,*56"

Before I call PacComm, I want to check with other users of the PicoPacket to see if for some reason I have some parameter incorrectly set, or whatever.

Chris - KF7KN

+----------------------------+----------------------------+
| e-mail: ccdapple@wtp.net | Telephone: (406) 446-1507 |
+   or   +----------------------------+
| kf7kn@amsat.org | Fax: (406) 446-1607 |
+----------------------------+----------------------------+

186. trip mate and kpc 3/9612

From: Wes Johnston <kd4rdb@usa.net>
Date: Wed, 07 May 1997 20:37:15 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970507203359.0068df78@coca.net>
Rendered body type: text/plain

Hello all.... i just got done interfacing a kam 9612 to the tripmate. I learned a few lessons along the way.
Briefly:
1)use heat shrink on EVERYTHING you can inside that DB25 hood! I even put heat shrink around the whole body of the 7805 regulator (see details below to make a 5 volt reg put out 5.6 volts).

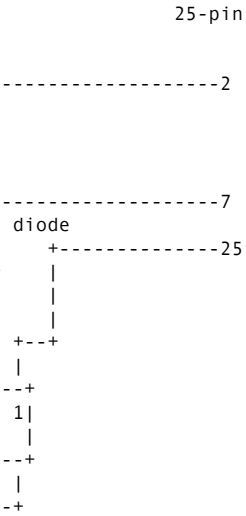
2)When you change the GPS settings on the kpc remotely (ie GPSHEAD, BLT & LTP), before you disconnect from the TNC, you MUST type RESET to make those changes take effect!! The LT buffers will NOT update while you are connected via remote sysop to the TNC!! This cost me many many hours of trouble shooting. Which lead smack into quick tip 3.

3)Get a RS232 breakout box from radio shack part number 276-1403. It has a 25 male at one end, a 25 female at the other. Solder a short across all the jumpers inside (make the thing into a pass thru connector, and attach a wire to pin 2 and another to pin 7. Run these wires to pins 2 and 5 on a db9 female. This can then be inserted in series with the GPS to TNC

connetion, allowing you to run street atlas on your laptop, and still
beacon your position. It (more importantly at this stage), allows you to
see the data that the TNC does.

Now, more detail for those that care about detail:

1)Set jumpers inside 9612 to deliver 12volts to pin 25 on the DB25.
2)use a 7805 5v regulator from radio shack, place a silicon diode in series
with the ground (center pin) to get 5.6 volts.
3)use heat shrink on each connection to the 7805 and diode. Intermittant
reseting of the TNC was found to be caused by pushing EVERYTHING inside a
DB25 hood without proper insulation.
4)use this schematic:



5) take off the battery cover on the tripmate, and short the center power
lead where the battery plugs in to the POSITIVE pin on the three pin plug.
This little mod puts the power input on pin 9 on the serial connector.

6) set the tnc up:
mycall kd4rdb-14   (i have a truck)
bt {k}
b e 20
gpshead 1 $gprmc
blt 1 e 00:05:00
ltp 1 aprs via relay, wide
mon off
myremote kd4rdb-11
rtext maryhadalittlelamb
int gps
reset

7)happy mobiling!

73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

187. Re: Problems unzipping APRS791

From: joefoor@digitalexp.com (Foor, Joe)
Date: Wed, 07 May 1997 19:55:47 -0500
To: aprssig@tapr.org
Message-ID: <33712493.5DA3@digitalexp.com>
Rendered body type: text/plain

Jeff Brenton wrote:
>
> I, too, had a crash when I tried to run APRS791.EXE, so I went back to
> 790.

> Nick wrote:
> > I downloaded APRS791 from TAPR and tried to unzip using both WinZip and
> > pkunzip -d. Both ways resulted in extracting the files and
> > subdirectories. I did the same with SEmaps and tried to start program.
> >
> > APRS title screen starts to come up then I get error message stating it

> > can't find maps or maps directory.

Originally, I installed 791 over top of b2, by using the 78to791.zip
upgrade, which worked just fine. After reading the above messages, I
installed another copy in another directory, from the aprs791.zip file.
It works just fine too.

regards.
Joe kf4dys

188. Re: [APRSSIG:12308] Re: Portable WX

From: Richard Amirault <amirault@shell1.tiac.net>
Date: Wed, 7 May 1997 21:32:05 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.BSF.3.95q.970507213031.12797E-100000@shell1.tiac.net>
Rendered body type: text/plain

On Wed, 7 May 1997, William Nolle wrote:

>
> But that's what i'm trying to tell you it doesn't show any at all, not
> current, not past, not future, not anything!!!!!!!!!!!!!!!!!!!!!!!!!!!!
> THE BOX IS ALWAYS BLANK, LIKE NOTHING, EMPTY. Not 00.00, not 00.1
> nothing.

I don't think Bob mentioned it would be in "THE BOX", you most likely have
to look at the raw data in the WX/Position packet.

Richard Amirault   N1JDU   Boston, Massachusetts USA
amirault@tiac.net   "Go Fly A Kite"

189. APRS Symbols

From: Ralph Milnes <milnes@openix.com>
Date: Wed, 07 May 1997 21:34:03 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970507213403.0068d694@openix.com>
Rendered body type: text/plain

Is there a symbol for:

a. A hiker?   (I know there's one for a runner, but how 'bout one for a
walker)

b. A fox?   (as in 'fox' hunt)

Ralph, KB2WBV
Milnes@openix.com

190. Re: Search & Rescue w/ APRS

From: n4ldg@juno.com
Date: Wed, 07 May 1997 22:48:03 EDT
To: Milnes@openix.com
Cc: aprssig@tapr.org
Message-ID: <19970507.225449.3174.1.n4ldg@juno.com>
Rendered body type: text/plain

>milnes@openix.com wrote:
>
> I'm looking for information from anyone who has used APRS in a seach
>and rescue situation or drill.
>
> How was it used? What worked and what didn't re: equipment,
>coordination, etc? Helpful hints? etc.
>
> Anything that may have been published, either here or in a mag, would
certainly be of interest. (If this has been discussed on the SIG before,
let me know and I'll just do a history search.)
>
> Ralph, KB2WBV
> Milnes@openix.com

YES!
Brothers to the Rescue uses APRS on their SAR aircrafts. What do you
want to know about it? I've installed it in 5 aircraft (Cessna Skymaster
337), 2 of which were blown out of the sky by cuban mig fighters, and two
Hams (the Pilots) were killed (KE4PYY & KF4ERP) during a routine search
and rescue mission over the Florida Straits.

During a routine mission, usually 2 to 3 aircraft will participate. I
use VHF. If you're only using one SAR vehicle, then HF would work fine
depending on the distance, etc... But in our senerio, VHF works best.
There's always going to be one aircraft closer to the mainland. All
airplanes digipeat each others position. The airplane flying cloest to
the mainland is the one that gets the position back to the mainland from
the farthest aircraft and so on... at approx. 50 watts, 400 to 700 ft,
they can usually hear each other as far as 100 miles away... so, most
all the Digi's in the Florida Keys and South Florida area will usually
pick up 80% to 90% of the flight. I have found a few blank spots once
you pass west of havana, 20 miles north of the cuban border and if you go
east of or to low at Cay Sal, a small island in the Cay Sal Bank Bahamas.

BTTR does not fly as much, but when they do, the aircraft still shows up
on the Map.

191. re: Wonderful news for APRS users!!!!!!

From: Dave Mar <74737.221@CompuServe.COM>
Date: 07 May 97 23:38:45 EDT
To: APRSSIG <APRSSIG@tapr.org>
Message-ID: <970508033845_74737.221_EHL80-1@CompuServe.COM>
Rendered body type: text/plain

I must say I just got my new Pico from PacComm with the dual serial port. Very
nice indeed. I Concur with
N4NEQs comments.....

but, the manuals have yet to be updated and there is no mention of all these new
features...
Say, anyone figure out how to remote the thing yet?

73 dave, n0xlw

Gwyn and the folks in Tampa have gone and done what we have all been
wishing for!

First:
They went and added REMOTE COMMANDS to the Pico Packet. I can now connect
to a remote control call sign and sysop this TNC remotely!

AND

They made TNC code that not only substitutes its call for the alias when it
digipeats (so you know which WIDE or RELAY digied you), but IT WILL ONLY
DIGI THE SAME PACKET ONCE!!!! It isn't WIDE-N, but it does keep track of
the packets it has already digied.

Guess that means that code updates for the standard TNC-2 won't be far behind.

Darn him, after all with four aliases, Alias/Call sign substitution, and
now these pesky remote commands and the DIGIONCE feature- I've now got to
go replace all my KPC-3 digis with PacComms.

One more thing...
My Pico remembers all its parameters thru the worst power glitches I have
been able to give it!

192. Re: [APRSSIG:11242] Re: Swapped GPSII for 12XL

From: Keith Morris <krmorris@earthlink.net>
Date: Wed, 07 May 1997 20:42:59 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970507204129.0068dea4@earthlink.net>
Rendered body type: text/plain

During fueling the static build-up from the fuel flowing would eventually
discharge and ignite the fuel if it wasn't for the grounding through the
nozzle. Gas pump hoses are multiple walled with steel braid from the pump
to the nozzel to discharge static build-up. Therefore when you put the
nozzel in the filler your vehicle is automaticly grounded.

At 09:43 PM 3/30/97 -0600, Wes Johnston wrote:
>about all these sparks and gas pumps..... has anyone thought of hanging a
>small piece of ground braid from their car? when the car is moving, the

>braid would "blow" up (pun intended, couldn't resist), and not touch the
>ground. As the vehicle comes to rest, the braid would drag and disapate
>any static charge....
>
>another idea: a friend who's also a ham in Charleston SC needed a way to
>protect his car from marauding theives... he hung this ground braid from
>the center lead of a honda ignition coil near where the condensate drip is
>from his A/C. This particular coil has the pass transisitor built in, and
>only needs ttl level switching, he made a simple 555 oscilator to "tickle"
>the coil, and powered the whole thing off the dome light. additional note:
>the door handle of his old mercedes "super diesel node" requires you to
>reach through it with your fingers to pull the door open - insuring that
>the ill intended person will have a very tight grasp when the dome light
>comes on! One final note... he did infact catch the local car theif. So
>far as I know, only one person has been caught in this manner.
>
>
>At 10:47 AM 3/28/97 -0600, you wrote:
>>On Mon, 24 Mar 1997, David McCarthy wrote:
>>
>>> 1. Has anybody noticed an RF interference from the 12XL into a 2m
>>> radio? I quickly noticed some noise in my HT if it was within a couple
>>> feet of the 12XL.
>>
>>On a related note, last night I was getting gas for my truck, and when my
>>mobile tracker keyed up and sent out my position at 50W, it reset the
>>electronic gas pump. This got me to thinking, am I doing something
>>dangerous by not shutting off my transmitter when I get gas, is there any
>>danger of a spark from the truck insulated by it's tires to the ground
>>via the gas nozzle?
>>
>>KE6JGN
>>Brent
>>
>>
>73s de Wes
>http://www.premierweb.net/users/kd4rdb (home page)
>mailto:kd4rdb@usa.net   (files and attachments)
>mailto:kd4rdb@on1kul.ampr.org   (ax25 and 7plus)
>
>
>

193. Re: Search & Rescue w/ APRS

From: Ron Kane <rkane@trivalley.com>
Date: Thu, 8 May 1997 04:00:21 GMT
To: aprssig@tapr.org
Message-ID: <199705080400.EAA21357@server.trivalley.com>
Rendered body type: text/plain

Ralph and Keith -

We're not doing a SAR activity with GPS/APRS yet but we are planning
a demo in June for wildfire resource tracking and firefront mapping.
This will have 6 mobile resources and an Incident Command center, can't
afford much more equipment. We have some corporate support and would hope
for enhanced imaging and mapping. I'll provide more as we get closer, I
mentioned this activity to Bob B about a week ago.

The problem in the western US is entertaining, I've helped at fires where
there were more than 1000 vehicles. Not being in Logistics I'd imagine they
have fun. A "get-away" package concept is being fab'd (in my garage) and
the operation and maintenance staff would eventually be the Hams on duty at
te emergency.

194. Re: [APRSSIG:12308] Re: Portable WX

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 00:52:02 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508004801.21462F-100000@arctic>
Rendered body type: text/plain

On Wed, 7 May 1997, William Nolle wrote:

> > APRS only displays "RAIN RATE"... That is the RATE that rain is falling.
> >
> > A remote WX station only reports its CURRENT RAIN COUNT (#xxxx) since the
> > last time its counter was zeroed. That could be last year or last month

> > or the day you installed the remote WX station or the last minute. This
> > is not a RAIN RATE, therefore APRSdos cannot display it as a rain rate.
> ---------- SNIP SNIP
>
> But that's what i'm trying to tell you it doesn't show any at all, not
> current, not past, not future, not anything!!!!!!!!!!!!!!!!!!!!!!!!!!!!
> THE BOX IS ALWAYS BLANK, LIKE NOTHING, EMPTY. Not 00.00, not 00.1
> nothing.

APRSdos REPLY/COMMENT: Please read my message again. That is exactly
what I am trying to tell you. APRS ONLY displays RAIN-RATE in the box.
There is no RAIN-RATE from a remote WX station, therefore APRSdos displays
NOTHING there. If it displayed 0.00 then that would be WRONG. THat would
mean that there was NO RAIN in the last hour. You CANNOT tell that from a
remote WX station unless you have previously recorded the last reading
from that remote WX station and compare the current reading to it. APRS
does not and cannot do this. THerefore it leaves it blank.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

195. Re: [APRSSIG:12320] Re: Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 08 May 1997 07:29:37 -0500
To: aprssig@tapr.org
Message-ID: <3371C731.5E21@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> APRSdos REPLY/COMMENT: Please read my message again. That is exactly
> what I am trying to tell you. APRS ONLY displays RAIN-RATE in the box.
> There is no RAIN-RATE from a remote WX station, therefore APRSdos displays
> NOTHING there. If it displayed 0.00 then that would be WRONG. THat would
> mean that there was NO RAIN in the last hour. You CANNOT tell that from a
> remote WX station unless you have previously recorded the last reading
> from that remote WX station and compare the current reading to it. APRS
> does not and cannot do this. THerefore it leaves it blank.
>
> Reply mail addr: wb4apr@amsat.org
> US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
> See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

Ok i understand this by now but why not let the owner of the portable WX
station deside how he will keep track of rainfall?. Also like i stated
before there are ways to electronicly reset the UII at a given time i'm
sure, but with the software crippled the way it is it still wouldn't
show any rainfall from that WX station. What your saying now is that
unless Peet or Davis are willing to make a standalone WX station
specially for APRS we will never have one. I was trying to build a
portable solar weather station that could be placed anywhere remotely
and be very compact (All equipment mounted in a 8" pipe 10' high) but
what i hear now it wouldn't make any sense to even attempt this due to
software limitations and because the author decided that no one should
be able to read accumilated rainfall. O well i have already decided to
just forget about working on this any further since there's no way this
can be done i guess. But i would still like to hear from other folks
that i have received private e-mail from that feel this will not work
only because there's no software support for it.
I'm in no way trying to start a revolution here but i think there's a
great need for portable low maintenance weather stations that could be
placed anywhere and still remotely controlled by the owner.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

196. Pico Packet and WinAPRS

From: Ralph Milnes <milnes@openix.com>
Date: Thu, 08 May 1997 09:59:11 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970508095911.00695c10@openix.com>
Rendered body type: text/plain

I'm setting up a mobile tracker with my new Pico (v.4.0.1). I also plan to use it with WinAPRS 1.45 back at the shack. I'm trying to set up the TNC so it can be used with a friend's Garmin 45.

Dan's (N4WZR) home page was a help in the parameter setup, but I'm still confused about two pico parameters:

LGETchar - Dan and the Pico suggest setting it to $05, but the WinAPRS suggested TNC settings (the radio button) puts in $00.

GPSTEXT - I've seen both $GPRMC and $GPGGA suggested. (I don't speak GPS.)

Any other suggestions about TNC parameters that need to be changed when going from tracker mode to shack mode.

Ralph, KB2WBV
Milnes@openix.com

197. RE: [APRSSIG:12309] Maps for Dayton

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Thu, 8 May 1997 09:01:40 -0500
To: aprssig@tapr.org
Message-ID: <v03102802af973dccd33b@[138.87.2.109]>
Rendered body type: text/plain

Am using that maplist. I need to center on OHhara and zoom in before the map comes up. If I zoom in, I don't have a point of referance for OHhara if you don't know where Hara Arena is in relation to the roads. You are zoomed in so far you can't see the roads to know which way to move.

maplist.usa gives OH-MI-WV map for the Dayton area.
maplist.usa gives OHDayton.map when at 16 mile range.
            I can't find OHhara when at .5 mile range on maplist.usa

maplist.oh gives OHSW.map (which is not found) when cursor on Dayton area.
maplist.oh looks for OHCLMBUS.map at the 4 mile range (which is not found)
maplist.oh looks for OHFrank.map at the 16 mile range (which is not found)
maplist.oh when zooming in asks for OHDAY.map (which is not found)
maplist.oh when at the 1 mile range looks for OHCHHMAR.map (which is not found)

OK, how about a cookbook? <You write it and try it. Then, post the recipe.>
Insert - maplist.x
Insert - maps.y
Stir   - unzip
Change - M C C USA
Cursor - to somewhere South of the East-West unmarked road (we know as I-70) and lower left of the North-South unmarked road (we know as I-something)
Change - M C C <newmaplist>
Cursor - to the Dayton name
Cursor - to the right of the diagonal road and the left-right road and zoom down
       - if not there, cursor left and right until you see Hara Arena
       - if not there, do M C C USA and repeat all above.
If patience is done, then go to bed and dream you had found the right detail map.

On May 08th, Mike Facciolo said:
>>Try MAPLIST.OH for the Dayton area.

/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/

198. Re: [APRSSIG:12321] Re: Portable WX

From: Nick <nick@cycat.com>
Date: Thu, 08 May 1997 10:03:50 -0400
To: aprssig@tapr.org
Message-ID: <3371DD46.174A@cycat.com>
Rendered body type: text/plain

First off, Quoting from the WX.txt 7.8b file USING APRS IN WEATHER AND SKYWARN APPLICATIONS: "REMOTE ULTIMETER OPERATION: Only the Ultimeters from Peet Bros. can be used as remote WX stations (using only the WX

station, a TNC and a radio). This is because they output continuous
data with(out) needing a PC to interrogate it periodicaly. ....."

I agree with Bill. As a County SkyWarn Manager I too think its extremely
important to have all weather data available from all stations, remote
or not.

wa8inz@mindspring.com wrote:

> What your saying now is that unless Peet or Davis are willing to make > a standalone WX station specially for APRS we will never have one.

I believe that's the key...are you listening to customers and potential
customers gentlemen? I think you're going to see more demand for your
products in the next year and maybe this could be a very worthwhile
update in your next models. Be aware of the current and potential uses
of remote Wx stations.

> but what i hear now it wouldn't make any sense to even attempt this > due to software limitations and because the author decided that no one > should be able to read accumilated rainfall. O well i have already > decided to just forget about working on this any further since there's > no way this can be done i guess.

I think there's a challenge hidden in there somewhere! Don't give
up...surely those of you with the ability can come up with
something...maybe some type of microprocessor that would "interrogate"
the Wx station and parse and buffer all the available data to the TNC
for transmission. I mean, you can use a palmtop..do you even need that
much processing power?

I only wish I technically understood all this.....then again, if I did,
maybe I wouldn't dream of what could be.

Keith, KF4BXT (now officially a TECH +, now on to 13wpm)
keith.kotch@cycat.com

199. Re: [APRSSIG:12321] Re: Portable WX

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 10:40:22 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508100954.4183F-100000@arctic>
Rendered body type: text/plain

On Thu, 8 May 1997, someone wrote the following comments about building a
stand-alone-remote WX station. The issue is that APRSdos does not show a
RAIN-RATE in the BLUE box at the top of the screen while it does show a
RAIN-COUNT in the WX report displayed on the P-LIST using the JUST-WX
command.

> Ok i understand this by now but why not let the owner of the portable WX
> station deside how he will keep track of rainfall?.

APR: That is exactly how it is designed. You decide when you want to log
the raw rain counts and when you want to compare past readings to new
ones.

> What your saying now is that unless Peet or Davis are willing to make a
> standalone WX station specially for APRS we will never have one.

APR: They have designed such an instrument and it has been on the market
for over a year and a half. It is the ULTIMETER-500 and now the most
RECENT U-2000's both have PACKET mode that *will* report the RAIN PER DAY
since midnight. That packet mode was designed specifically for APRS.
Do *not* try to use an older U-2000 in packet mode becasue it will report
the wrong WIND values. To use an old U-2000 as a remote stand-alone WX
station it must remain in the datalogging mode. All of this is covered in
my WX.TXT file...   I believe for using these older ones in remote sites,
Peet Bros will upgrade them to the new firmware for a nominal labor fee..

> what i hear now it wouldn't make any sense to even attempt this due to
> software limitations and because the author decided that no one should
> be able to read accumilated rainfall.

APR: The *accumulated* rain fall *is* recorded and displayed by APRSdos
on the POSITIONS-LIST. Simply hit P to go to the POSITIONS list and hit
JUST-WX and your remote station will show up there and its accumulated

rainfall *will* show as #xxxx Where the value of xxxx is the current
value of your accumulated rainfall.

APR: In summary. Unless I am mistaking what you are saying, everything
you want to know about remote RAIN is available from a remote U-II WX
station in the WX report displayed on the P-LIST. But APRSdos will never
display a RAIN-COUNT in the blue box at the top of the screen for such a
station, since that is only for RAIN-RATE. This only applies to older
ULTIMETERS using the DATA-LOGGING fomrat. This limitation does not
apply to U-500 or recent U-2000's.

    OR at least this description was how I designed it to work. If it
is not working that way (there are no remote U-II's on the air here) then
I am happy to fix it.

I suppose I could parse the #xxxx value and put it in the blue box and
remove the "in" so that people wont miss-read it as a rain rate...

200. Re: [APRSSIG:12315] APRS Symbols

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 10:42:20 -0400 (EDT)
To: Ralph Milnes <milnes@openix.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508104056.4183G-100000@arctic>
Rendered body type: text/plain

On Thu, 8 May 1997, Ralph Milnes wrote:

>
> >APRSdos REPLY/COMMENT: Try ROVER or maybe it is under dog...
>
> Thank, Bob. I was thinking that might be a good substitute, too. (It's a
> "p" for puppy.) Maybe a wish list item ... or perhaps a box or triangle
> with a "?" in it for "possible target/unidentified target".

APRSdos REPLY/COMMENT: Its in there. Try the INFO selection... The
symbol character is a question mark..

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

201. Re: [APRSSIG:12321] Re: Portable WX

From: joefoor@digitalexp.com (Foor, Joe)
Date: Thu, 08 May 1997 09:33:22 -0500
To: aprssig@tapr.org
Message-ID: <3371E432.17A6@digitalexp.com>
Rendered body type: text/plain

This entire problem is exactly why there has been so much discussion
about using PICs. There are quite a few people working individually on
getting a PIC to accept the data stream from the WX station and parse it
into an APRS formatted WX packet, including the hourly and daily rain
rates. One thing that doesn't make the problem any easier is the Peet
Brothers just recently reformatted the data streams, so the code to
parse a WX station purchased in Jan, won't work if you buy a new WX
station.

If I recall correctly, your station is a U-II, which has been around for
a while, so there should be several people out there who have already
figured out the programming. You might want to do an archive search and
find some of the letters from the more active PIC programmers. No doubt,
one of them can supply you with a programmed PIC for a nominal fee (or
program a PIC that you provide), that will work for your station.

regards,
Joe kf4dys

William Nolle wrote:
>
> Bob Bruninga wrote:
> >
> > APRS ONLY displays RAIN-RATE in the box.
> > There is no RAIN-RATE from a remote WX station, therefore APRSdos displays
> > NOTHING there.

> What your saying now is that
> unless Peet or Davis are willing to make a standalone WX station

> specially for APRS we will never have one. I was trying to build a
> portable solar weather station that could be placed anywhere remotely
> and be very compact (All equipment mounted in a 8" pipe 10' high)

202. RE: [APRSSIG:12322] Pico Packet and WinAPRS

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Thu, 8 May 1997 11:52:12 -0400
To: "'milnes@openix.com'" <milnes@openix.com>
Cc: "'APRSSIG'" <aprssig@tapr.org>,
"'Keith Sproul'" <ksproul@hardees.Rutgers.EDU>
Message-ID: <01BC5BA6.49452BE0@gwyn>
Rendered body type: text/plain

LGETcharacter selects the character which is the 'hot key' character to cause the Pico to dump its GPS buffers out the #1 serial port (or disables the function by setting the default value of $00).

We deliver it defaulted to $00 (disabled) so that transparent mode will be truly tranparent. You have to change it to another value to make it work. DosAPRS uses $05 (Control E) so that is what you set LGET to. I would presume you should do the same for WINAPRS and also change the WINAPRS setup file to use the same character. May have to check with the Sproul Bros. on that.

If WINAPRS just goes and looks for the default value, but it shouldn't work because that is the disabled value.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

From: Ralph Milnes[SMTP:milnes@openix.com]
Sent: Thursday, May 08, 1997 5:08 AM
To: aprssig@tapr.org
Subject: [APRSSIG:12322] Pico Packet and WinAPRS

I'm setting up a mobile tracker with my new Pico (v.4.0.1). I also plan to use it with WinAPRS 1.45 back at the shack. I'm trying to set up the TNC so it can be used with a friend's Garmin 45.

Dan's (N4WZR) home page was a help in the parameter setup, but I'm still confused about two pico parameters:

LGETchar - Dan and the Pico suggest setting it to $05, but the WinAPRS suggested TNC settings (the radio button) puts in $00.

GPSTEXT - I've seen both $GPRMC and $GPGGA suggested. (I don't speak GPS.)

Any other suggestions about TNC parameters that need to be changed when going from tracker mode to shack mode.

Ralph, KB2WBV
Milnes@openix.com

203. Re: [APRSSIG:12323] RE: Maps for Dayton

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 12:49:13 -0400 (EDT)
To: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508124609.25379A-100000@arctic>
Rendered body type: text/plain

The MAPLIST.USA will let you zoom all the way down to the booths inside the HARA Arena from the whole world. If you want to see how the maps look, use the MAPS-PLOTS-BORDERS command at each stage of the zoom. Hit the F3 and F4 key to see the borders of different size maps...

All of my other maplists also preserve this capability for Dayton in particular...

On Thu, 8 May
1997, Larry Keeran wrote:

> Am using that maplist. I need to center on OHhara and zoom in before the
> map comes up. If I zoom in, I don't have a point of referance for OHhara

```
> if you don't know where Hara Arena is in relation to the roads.  You are
> zoomed in so far you can't see the roads to know which way to move.
>
> maplist.usa gives OH-MI-WV map for the Dayton area.
> maplist.usa gives OHDayton.map when at 16 mile range.
>             I can't find OHhara when at .5 mile range on maplist.usa
>
> maplist.oh gives OHSW.map (which is not found) when cursor on Dayton area.
> maplist.oh looks for OHCLMBUS.map at the 4 mile range (which is not found)
> maplist.oh looks for OHFrank.map at the 16 mile range (which is not found)
> maplist.oh when zooming in asks for OHDAY.map (which is not found)
> maplist.oh when at the 1 mile range looks for OHCHHMAR.map  (which is not
> found)
>
> OK, how about a cookbook?  <You write it and try it. Then, post the recipe.>
> Insert - maplist.x
> Insert - maps.y
> Stir   - unzip
> Change - M C C USA
> Cursor - to somewhere South of the East-West unmarked road (we know as
> I-70) and lower left of the North-South unmarked road (we know as
> I-something)
> Change - M C C <newmaplist>
> Cursor - to the Dayton name
> Cursor - to the right of the diagonal road and the left-right road and zoom
> down
>        - if not there, cursor left and right until you see Hara Arena
>        - if not there, do M C C USA and repeat all above.
> If patience is done, then go to bed and dream you had found the right
> detail map.
>
> On May 08th, Mike Facciolo said:
> >>Try MAPLIST.OH for the Dayton area.
>
>
> /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
> Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord  k9orp@tapr.org
> EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
> \/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html
```

204. HF TNC tones and Freqs (rev 3)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 13:12:54 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508130439.25379E-100000@arctic>
Rendered body type: text/plain

```
This is a revised list.  I still dont have the defaults for the ones shown
with ????  Im beginning to think about re-tuning my MFJ's for 200 HZ
shift for better performance.  Since those MFJ's dont do RTTY, I have no
idea why they are using only 170 hz shift!

Here is a summary which has been calculated based on the National APRS
tracking frequency which emmits packet tones on 10.149.2 and 10.149.4 MHz.
The dial frequency column below is what you should see on your radio with
your TNC:

HF TNC        LOW   CENTER HIGH SHIFT DIAL FREQ LSB
--------      ----  ------ ---- ----- -------------
KAM           1600   1700  1800  200  10.151.000 W3ADO TNC defined 10.151
PComm TNC-320 1600   1700  1800  200  10.151.000
MFJ 1270/74B  1600   1700  1800  200  10.151.000 No longer in production
AEA DSP-232   1600   1700  1800  200  10.151.000 Selectable
-----------------------------------------------------------------------------
MFJ 1270/74c  2125   2210  2295  170  10.151.510 Current MFJ's
MFJ 1278      2125   2210  2295  170  10.151.510
-----------------------------------------------------------------------------
BEL 103       2025   2125  2225  200  10.151.425 Original HF Pkt modem
PComm TNC-220 2025   2125  2225  200  10.151.425
```

```
PK-88         2025   2125  2225  200  10.151.425
PK-232         ?      ?     ?     ?              Adjustable
PK-2232        ?      ?     ?     ?
PK-900         ?      ?     ?     ?
-------------------------------------------------------------------------
DSP-12        2125   2225  2325  200  10.151.525
AEA DSP-232   2125   2225  2325  200  10.151.525 Selectable

If you have data that differs from the above, lemme know.  Thanks.
```

205. APRS video conference

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 13:42:16 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508132734.25379F-100000@arctic>
Rendered body type: text/plain

At my kids school fundraiser auction, I bid on one free hour of video teleconferencing at KINKO's with an estimated value of $300. The details were unknown at the time but I got it for under $10!

I now find out that apparently their rates are $150 per site per hour so this covers a two-way for one hour. Adding more sites cost $205 each up to 7 sites.

I dont see a productive use yet for APRS, but you'all think about it. I dont have time to discuss it either before dayton... just put it in the back of your minds..

206. Davis Weather Link Software

From: "Gary" <gwells@nbn.net>
Date: Thu, 8 May 1997 14:16:44 -0400
To: "APRS SIG" <aprssig@tapr.org>
Message-ID: <199705081824.OAA31421@mail.nbn.net>
Rendered body type: text/plain

Has anyone used the new Davis WeatherLink software for Windows?
I checked the Davis Web page, but it has absolutely no info on the features. Before I spend $49 to upgrade from the DOS version, I would like some input from anyone who has seen it. Are there any new features helpful to APRS? Any info appreciated.

Thanks,

Gary Wells N3HCP
gwells@nbn.net
http://users.nbn.net/~gwells

207. Re: [APRSSIG:12300] Re: Any live javAPRS at Dayton?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 15:06:56 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508144331.25379H-100000@arctic>
Rendered body type: text/plain

On Wed, 7 May 1997, Steve Dimse wrote concerning setting up a Dayton or other Marathon javAPRS web site:

> What is needed is a station, somewhere within the Dayton LAN, with full
> time internet access and TNC/radio. The software could be the OS/2,
> Windows NT, or Windows95 servers written by different people...the OS/2
> version was written by Dale, WA4DSY in Atlanta.
>
> The other possibility is to use a program such as Bob wrote for his site,
> periodically uploading a log file to a distant server. This could be run
> from a dial up internet user in Dayton.

APRSdos REPLY/COMMENT: At the fear of exposing my ignorance, I think someone could set up a web server in a few minutes as follows.

1) Visit my site below and copy my radio.html file into your server's designated WEB-DOCS directory (whatever directory is designated for web access...

2) Download the latest javAPRS stuff from Steve Dimse and put it in a javAPRS dub directory in that directory.

3) Capture a TEXT file from your TNC using PROCOMM or other terminal

program and save it into the javAPRS directory under the name radio.tnc

THAT'S IT! (Roughly to a first guess)

4) Obviously then you will need to edit my radio.html page to change the
text on the map to your text and you will want to use a map file more
apprpriate to your area.

5) And you will need to investigate how you want to automatically upload
that radio.tnc file to your web server account periodically, but that is a
local issue. My APRSweb.bas will monitor the radio channel on any old PC
and save the radio.tnc file to drive d:. As long as you have a local
area network where that drive d: can be anywhere else such as on the web
server, then you are done.

OR.... I can put up a DAYTON WEB SITE on my machine in about an hour.
The only problem is how to get the dayton.tnc file to it periodically.
If someone can ftp it to our ftp site, then I can write a script to
periodically get the file from our (or your) ftp site and put it in my
page... Done. And we can use this for special events anywhere...

SOMEONE TELL ME IF I GOT IT WRONG...

I will have a Dayton page on by the time you read this... well... give me
an hour...

See DAYTON LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

208. Re: PicoPacket with GPS

From: "Chris Dapples" <ccdapple@wtp.net>
Date: Thu, 8 May 1997 13:05:19 -0600
To: "APRSsig" <aprssig@tapr.org>
Message-ID: <9705081905.AA10562@wtpprod1.wtp.net>
Rendered body type: text/plain

Greetings All,

        Thanks to all who responded to my erlier message!
The GPS unit is now functioning perfectly. I checked the
voltage on the GPS antenna terminal and found 53mvDC. So
after a quick call to PacComm Tech support I removed the
unit from its case and checked the voltage again. Now
there was 4.85 volts. So I connected up the antenna and
computer and after a few minutes was receiving correct
position reports. I checked over the modem and GPS boards
for loose connections, but everything was sound! So back
into the case and it has worked since (5 hours) correctly.
Gremlins strike again!!

        Thanks again to all those who responded!

Chris - KF7KN

+----------------------------+----------------------------+
| e-mail: ccdapple@wtp.net | Telephone: (406) 446-1507 |
+   or   +----------------------------+
| kf7kn@amsat.org | Fax: (406) 446-1607 |
+----------------------------+----------------------------+

209. Re: [APRSSIG:12331] APRS video conference

From: Nick <nick@cycat.com>
Date: Thu, 08 May 1997 15:13:53 -0400
To: aprssig@tapr.org
Message-ID: <337225F1.4039@cycat.com>
Rendered body type: text/plain

bruninga@nadn.navy.mil wrote:
>
> At my kids school fundraiser auction, I bid on one free hour of video
> teleconferencing at KINKO's with an estimated value of $300. The details
> were unknown at the time but I got it for under $10!
>
> I now find out that apparently their rates are $150 per site per hour so
> this covers a two-way for one hour. Adding more sites cost $205 each up
> to 7 sites.

>
> I dont see a productive use yet for APRS, but you'all think about it. I
> dont have time to discuss it either before dayton... just put it in the
> back of your minds..

FYI,

Orlando has 1 KINKO'S that has teleconferencing capability. Room is only designed to seat 6 though. 8 to 10 maybe could squeeze in. Has a 30" tv for viewing. Cost, according to them for extra sites is $3.50 per minute or $210 per hour, saying you pay for minutes you are on-line. Initial 2 sites are $2.50 per min or $150 per hr. Room sizes vary per location and person said that many are smaller than hers. She said that a Miami site she's aware of has about half the space.

What I was thinking that if you could get around 20 APRSrs together in the large APRS markets, then $10 each for an hour conf may not be a bad deal. But, in light of what KINKO'S apparently has available, it may not be worth it.

No response necessary. Just wanted to give a little info as food for thought.

Keith, KF4BXT
keith.kotch@cycat.com

210. Latitude in Sproul vs. MacDLG maps

From: "Ronald G. Parsons" <w5rkn@amsat.org>
Date: Thu, 08 May 1997 19:50:09 +0000
To: APRS-SIG <aprssig@tapr.org>
Message-ID: <33722E70.2F20@amsat.org>
Rendered body type: text/plain

I have noticed that a location on a 100k Mac/WinAPRS map created by the Sproul's (such as on their CD-ROM) is consistently 2" farther north than the same location on a 100k map created by MacDLG.

For example, Sproul ---> DD MM 17" while MacDLG ---> DD MM 15"

Is a different datum being used?

--
Ron W5RKN

also:
rparsons@bga.com

211. Re: [APRSSIG:12321] Re: Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 08 May 1997 15:03:14 -0500
To: aprssig@tapr.org
Message-ID: <33723182.426C@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
>
> I suppose I could parse the #xxxx value and put it in the blue box and
> remove the "in" so that people wont miss-read it as a rain rate...

That's what several portable UII WX station owners have been trying to ask you to do. Like i stated i have received e-mail from those wanting to do what i'm doing but they didn't want to get on the sig for fear they would start WX War Hi. But those people have stated that Bob just would not listen to their plight. You know me by now i don't give up so easy.

As far as Peet making a portable WX station is not true (They can be used as one) but a true weather station doesn't need a control panel with an display panel at all. I have talked to them about that but of course they are not to interested since they never even answered my questions about it. In any case thanks Bob for continually trying to convince me that everything is working as it should.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

212. DAYTON APRS WEBSITE

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 8 May 1997 16:16:40 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970508161446.12646A-100000@arctic>
Rendered body type: text/plain

OK, its on line. Just sittin here waiting for someone to upload a file named DAYTON.TNC via ftp.. Then everyone can see what is going on in Dayton..

See DAYTON LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

213. Maps for Belixe & Mexico

From: Jon Haskell <kb9cml@worldnet.att.net>
Date: Thu, 08 May 1997 15:15:30 -0700
To: aprssig@tapr.org
Message-ID: <33725082.790D@worldnet.att.net>
Rendered body type: text/plain

I am in need of a source for APRS maps for Belize and Eastern Mexico. Any suggestions would be greatly appreciated. I am driving to BZ in mid July and wanted to set up some maps on my computer at home so my family can monitor my progress.

Any suggestions would be greatly appreciated!

Jon KB9CML

214. unsubscribe

From: ecu@ecui.com (Edward C. Unrein)
Date: Thu, 8 May 1997 16:16:17 -0400
To: <aprssig@tapr.org>
Message-ID: <19970508201618193.AAA172@ecui-1>
Rendered body type: text/plain

unsubscribe

215. Re: [APRSSIG:12336] Latitude in Sproul vs. MacDLG maps

From: Mark Sproul <sproul@ap.org>
Date: Thu, 8 May 1997 16:27:52 -0400
To: aprssig@tapr.org
Cc: w5rkn@amsat.org
Message-ID: <v03010d0baf97e68e81c4@[165.1.27.20]>
Rendered body type: text/plain

>I have noticed that a location on a 100k Mac/WinAPRS map created by the
>Sproul's (such as on their CD-ROM) is consistently 2" farther north than
>the same location on a 100k map created by MacDLG.
>
>For example, Sproul ---> DD MM 17" while MacDLG ---> DD MM 15"
>
>Is a different datum being used?
>

Keith worked very hard at getting the datum right, it took most of a year and 6 pages of math to get the conversion right. When we did get it right, we showed up in our drive way and could tell what side of a 4 lane high-way we were on.

We have noticed that some GPS units have the ability to specify which datum to use which if not correct, will make your location incorrect.

I am not sure which datum Keith used and he is away on business so he can answer for a few days.

We converted everything to actual lat/lon and therefore factored out the datum all together. Of course if the datum was not right when the conversion was done then all of the maps are off.

All of the tracking that we have done has always shown up exactly in the right place on the map, again I want to point out that some GPS units have selectable datum references.

Mark

Mark Sproul |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
http://msproul.rutgers.edu/

216. Re: [APRSSIG:12339] Maps for Belixe & Mexico

From: Mark Sproul <sproul@ap.org>
Date: Thu, 8 May 1997 16:32:54 -0400
To: kb9cml@worldnet.att.net
Cc: aprssig@tapr.org
Message-ID: <v03010d0caf97e89bfd11@[165.1.27.20]>
Rendered body type: text/plain

>I am in need of a source for APRS maps for Belize and Eastern Mexico. Any
>suggestions would be greatly appreciated. I am driving to BZ in mid July
>and wanted to set up some maps on my computer at home so my family can
>monitor my progress.
>
>Any suggestions would be greatly appreciated!
>
>Jon KB9CML

We have maps of all of mexico on our CD-ROM, this is the Digital Chart of the World data so the local roads are not included. This should be plenty good enough for your needs, We can make BZ for you if its not on the CD already

Note, these work with MacAPRS and WinAPRS, not dosAPRS

Mark

Mark Sproul |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
http://msproul.rutgers.edu/

217. Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 08 May 1997 15:28:28 -0500
To: aprssig@tapr.org
Message-ID: <3372376C.6D9F@mindspring.com>
Rendered body type: text/plain

Just so everyone understands what this portable weather station thing is all about before sending me flames and swearing at me.

My portable weather station consists of a Peet UII WX station and it's not realy designed for this purpose, but since there are none available for the amateur radio market we have to use these. The station i'm building is 100% Solar powered and can be remotely controlled via the KPC3 TNC, The whole unit fit's into a 8" PVC or Aluminum pipe 10 to 12 feet high. The only external components are of course the Solar panel, antenna, wind direction vane and speed sensor, the rain gauge is internal. This WX station can be placed anywhere in a short order, or can be mounted at a remote site. There are WX stations like this comercially used in mane states that in addition to what mine shows will also monitor water level for flood control but of course the cost of these are beyond our level. As is now mine contains a HTX202, 12amp Gell Cell, Peet Bros UII WX station, 10watt Solar panel with controller, KPC3 TNC. I shure would like to hear from others interested in building remote weather stations not requiring any software or computer.

And as always I have my shields up.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

218. RE: Firmware Status?

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Thu, 8 May 1997 16:48:16 -0400
To: "'Dave Kaplan'" <fluidpwr@sprynet.com>
Cc: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <01BC5BCF.A1AC1AE0@gwyn>
Rendered body type: text/plain

Dave and APRS friends:

It is our intent to have lots of 'APRS EPROMs' at Dayton. For all our products, and for the older MFJ units. Will even have the instructions on how to use the new commands!

Booths 652-3-4.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

From: Dave Kaplan[SMTP:fluidpwr@sprynet.com]
Sent: Thursday, May 08, 1997 3:21 PM
To: gwyn@paccomm.com
Subject: Firmware Status?

Gwyn,

Are you going to have any of the TNC-2 chips with the remote feature and WIDE callsign replacment feature at Dayton? I've been waiting and looking forward to implementing these features.

Dave

219. RE: [APRSSIG:12337] Re: Portable WX

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Thu, 8 May 1997 17:22:14 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>,
"'wa8inz@mindspring.com'"
<wa8inz@mindspring.com>
Message-ID: <01BC5BD4.609E1B20@gwyn>
Rendered body type: text/plain

Bill,

Sorry to 'one-up' you but the cover of the newest PacComm catalog (which is going to the press tomorrow to be ready for Dayton) has a picture of a PacComm solar powered portable weather station on the cover. This unit uses the Peet Bros. Ultimeter-2000. And 2 models of that unit will be on display at Dayton, one in the Peet booth and one in the PacComm booth.

Gwyn

From: William Nolle[SMTP:wa8inz@mindspring.com]
Sent: Thursday, May 08, 1997 11:07 AM
To: aprssig@tapr.org
Subject: [APRSSIG:12337] Re: Portable WX

Bob Bruninga wrote:
>
>
> I suppose I could parse the #xxxx value and put it in the blue box and
> remove the "in" so that people wont miss-read it as a rain rate...

That's what several portable UII WX station owners have been trying to ask you to do. Like i stated i have received e-mail from those wanting to do what i'm doing but they didn't want to get on the sig for fear they would start WX War Hi. But those people have stated that Bob just would not listen to their plight. You know me by now i don't give up so easy.

As far as Peet making a portable WX station is not true (They can be used as one) but a true weather station doesn't need a control panel with an display panel at all. I have talked to them about that but of

course they are not to interested since they never even answered my
questions about it. In any case thanks Bob for continually trying to
convince me that everything is working as it should.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

220. Reading APRSSIG's on AOL

From: N1IIC@aol.com
Date: Thu, 8 May 1997 17:44:34 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970508174227_437462946@emout06.mail.aol.com>
Rendered body type: text/plain

I recieved #1005 without a file attached and founf it VERY convenient to read
as mail and to not have a file attached. Is there any way to continue this??

tnx de Jason N1IIC

221. Re: Datum Conversion NADCON

From: rholbert@juno.com (Richard L. Holbert)
Date: Thu, 8 May 1997 17:11:18 est
To: aprssig@tapr.org
Message-ID: <19970508.170445.7319.0.rholbert@juno.com>
Rendered body type: text/plain

Bob (WB4APR),

I sent you a BASIC program last fall that would read an APRS map and
convert it from NAD27 to WGS83.   Do you still have a copy?

Thanks

Rick, KB8DNR
mailto:rholbert@juno.com

222. PROGRAMMING TNC 'S

From: kd4emi@juno.com (Michael A. Kantor)
Date: Thu, 08 May 1997 19:36:00 EDT
To: aprssig@tapr.org
Message-ID: <19970508.193411.4359.1.KD4EMI@juno.com>
Rendered body type: text/plain

I applaud Paccomm for being responsive to the aprs
community.
Some TNC manufacturers have not been so forthcoming.

Is there anyone who can help me with EPROM programming of TNC ' S.   I
would like the opportunity to try and write some code
for other tnc's ..   Does anyone have a printout of what the code looks
like, or what I have to study to write this stuff ? (mostly for
KANTRONICS)

My thought is to write code to optimize TNC's for APRS or other
applications.

I suppose I need a EPROM WRITER/ READER , but I heard the KANTRONICS also
has some kind of parity or cheksum which makes it nearly impossible to
edit the tnc code ?
Any help would be appreciated.
Mike KD4EMI@JUNO.COM

223. Source for Tripmates

From: Carl Taylor <carlt@icanect.net>
Date: Thu, 08 May 1997 21:12:48 -0400
To: aprssig@tapr.org
Message-ID: <199705090107.VAA13830@foo.icanect.net>
Rendered body type: text/plain

I just talked to John at Communications-Itermountian, in Denver... He still
has Tripmates with the SA 4,
for $149.. If you don't want the SA-4, it is $10 or $15 cheaper...

He is also stocking the Lowe remote GPS antennas...

He is a ham and is at all the big hamfests..

--==Carl==--

224. Source for Tripmates,Part 2

From: Carl Taylor <carlt@icanect.net>
Date: Thu, 08 May 1997 21:43:08 -0400
To: aprssig@tapr.org
Cc: billd@icanect.net
Message-ID: <199705090138.VAA20814@foo.icanect.net>
Rendered body type: text/plain

I just talked to John at Communications-Itermountian, in Denver... He still
has Tripmates with the SA 4,
for $149.. If you don't want the SA-4, it is $10 or $15 cheaper...

He is also stocking the Lowe remote GPS antennas...

He is a ham and is at all the big hamfests..

I forgot to put the 800 number in Part 1-------

1-800-346-0045

Sorry about that...

--==Carl==--

225. Re: [APRSSIG:12349] Source for Tripmates

From: D-Murray <ae4br@ix.netcom.con>
Date: Thu, 08 May 1997 22:39:42 -0400
To: carlt@icanect.net, aprssig@tapr.org
Message-ID: <3.0.1.32.19970508223942.0068d3fc@Popd.ix.netcom.com>
Rendered body type: text/plain

Our local Best Buys had them on sale for $139.99. This was an unadvertised
sale. You may want to check your local Best Buys computer store..

Don

At 08:14 PM 5/8/97 -0500, Carl Taylor wrote:
>I just talked to John at Communications-Itermountian, in Denver... He still
>has Tripmates with the SA 4,
>for $149.. If you don't want the SA-4, it is $10 or $15 cheaper...
>
>He is also stocking the Lowe remote GPS antennas...
>
>He is a ham and is at all the big hamfests..
>
>
>
>
>
>--==Carl==--
>
>
>
My correct address is ae4br@ix.netcom.com or james-m@juno.com
The # is my effort to defeat the mail bombers.

226. First batch of MIC-Encoders at Dayton!

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Fri, 9 May 1997 04:13:09 -0500
To: "TAPR-BB list   mailing"<tapr-bb@tapr.org>,
        "APRS SIG list   mailing"<aprssig@tapr.org>
Message-ID: <v03020905af989921e678@[192.168.1.2]>
Rendered body type: text/plain

TAPR to offer first batch of TAPR APRS MIC-Encoders at Dayton!
May 9th, 1997

The MIC-E (Mic Encoder) installs between your radio mic and radio and allows your GPS unit to transmit APRS AX.25 frames at designated intervals without needing a TNC! Very useful in many settings.

See http://www.tapr.org/tapr/html/mic-e.html for full details and photos with project history and other interesting details.

The unit is a semi-kit. This means that the board has been partially assembled, but interface wires, box, and other items still require configuration and assembly before usage.

Units to be available at Dayton!

The first 150 units of the TAPR APRS MicEncoder will be available for sale at Dayton Hamvention! (That is if no catastrophic failure or act of God happens
between now and the opening of Hamvention)

In order to handle the demand at the TAPR booth -- here is the deal:

* Units will be sold beginning at 12noon (opening) on Friday of HamVention.

* Until Saturday 12noon, TAPR members can only purchase up to 3 units per member. This is to allow as many as possible to get access to the 150 units available. If you are not a member, you can always join before getting your unit ;-)

* After Saturday 12noon, all non-members and TAPR members wanting additional units can purchase any units still available.

* No orders for units to be sold at Dayton
  *** WILL BE TAKEN AT THE OFFICE EARLY ***

* If you are not going to be attending Dayton, you can use the TAPR order form to place an order for units not sold at Dayton or the subsequent production of more kits, which should happen shortly after Dayton (2-4 weeks).

* Orders will also be taken at Dayton for the subsequent production if the 150 units run out.

* There will be no s/h added to the kits sold at Dayton, but we will be adding the Ohio Sales Tax to all Dayton sales.

General Information

The price is:
$134.00 US for members of TAPR + s/h (this is the TAPR 10% discount)
or
$149 US for non-members +s/h

and will include:

* TAPR APRS MicEncoder with parts, cabinet, and documents
  The assembly manual is available on the Web page listed above.

Discount for TAPR Members. The $134.00 purchase price for TAPR members represents the normal 10% membership discount.

Warranty. TAPR will provide replacement units for DOA units that are promptly reported by the purchaser within 90 days after TAPR ships.

Notice regarding TAPR APRS MicEncoder Purchases.

Shipping and Handling

* Shipping and Handling within the US will be $7.00 US by UPS Ground unless otherwise requested by purchaser.

   * International Shipping will need to contact the TAPR office and get a
     quote on the shipping to your country. TAPR uses International Express
     Mail, unless the purchaser requires something else.

Discussion

As mobile GPS/APRS continues to grow, we can eliminate the need for every
mobile to have a TNC, digital radio, and second antenna by simply
integrating the position report into a very brief tone burst at the end of a
voice transmission over any two-way radio. The APRS MIC-Encoder is this
solution. With the MIC-E, no additional hardware is required in the
vehicle, other than a GPS unit. The system not only reports position and
vehicle type, but also one of 7 canned messages and 4 analog telemetry
values.

Your APRS MIC-Encoder Unit will provide you a quick, easy means of
tracking your mobile operations when properly interfaced with your existing
voice radio. Before operating your MIC-E on the air, you should inquire
about APRS operations in your immediate area. Check 145.79 MHz (U.S.),
144.39 Mhz (Canada), and some areas may also use 145.01 MHz. By contacting
APRS users in your local area you may find particular voice repeaters that
already support MIC-E operations with a cross-band link to the local APRS
network.

In order to make the APRS LOCATOR SYSTEM practical, the MIC-ENCODER has been
designed with several design concepts:

   * Interfaces to UNMODIFIED radios via the MIC connector
   * Uses standard AX.25 for compatibility with existing TNC1s
   * Compresses position report into about 0.3 seconds
   * Uses low enough in power to be powered from the MIC jack
   * Accepts the readily available NMEA output from GPS receivers
   * Optionally provides 4 analog channels for telemetry

The result is a 1200 baud position report compressed to 32 bytes including
beginning and ending FLAGS. This equates to about 320ms, including CALLSIGN,
DIGIPEATER PATHS, and a minimum message capability. Plus, the packets are
still receivable on ANY AX.25 TNC.

The MIC-E installs between your radio mic and radio and
allows your GPS unit to transmit APRS AX.25 frames at designated intervals
without needing a TNC! Very useful in many settings. Internal GPS units
supported include the Garmin GPS-20, Motorola Oncore VP, Trimble, and
others. Any external GPS can be used if it provides NMEA output.

The heart of the MIC-E is a PIC chip processor that is now sold
commercially by Clements Eng. In 1996, Gwyn Reedy, W1BEL, President of
PacComm approached TAPR about handling the amateur version in a semi-kit
solution. The TAPR APRS MIC-E is the result of the collaborative process
begun in October 1996 and finished in May of 1997.

APRS and MicEncoder are trademarks of Bob Bruninga, WB4APR.

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000
---
e-mail: TAPR@TAPR.ORG ftp: ftp.tapr.org   web: <http://www.tapr.org/>
---

227. Dayton.tnc File

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Fri, 9 May 1997 11:44:16 +0000
To: aprssig@tapr.org
Message-ID: <19970509114414.AAA16930@LOCALNAME>
Rendered body type: text/plain

Bob,

I captured my tnc output last night and figured you meant upload it to the
/tapr/SIG/aprssig/files/upload area. That's what I did. Now I'm supposed
to send an e-mail to aprs-lib@tapr.org and tell them where it should be

stored. Where do you want it? Not sure of the file plan.

As far as javaprs during the hamvention, I'm not optimistic I can get
anything worked through WPAFB in this short of time. Unfortunately they
also expect me to do the rest of my work hihi. Not sure how we'll make
regular file updates if this dayton.tnc file load works.

Bob, WB8CXN

228. G8BPQ driver

From: Ciemon Dunville <ciemon.d@virgin.net>
Date: Fri, 09 May 1997 14:59:17 +0100
To: aprssig@tapr.org
Message-ID: <33732DB5.308@virgin.net>
Rendered body type: text/plain

Hello all,

APRS is struggling over here in the UK, mainly because the Brits don't appear to like change. What is
used
extensively here is the G8BPQ Node software, which enables you to run various pieces of software thru
the
same tnc's which are in KISS mode.

A typical set up would be three tnc's or PC internal boards on three seperate freq's acting as a
gateway. On
top of that node you can run a number of other applications, such as Winpack, FBB and the like to
collect
mail.

So what we need is some bright spark to write a driver for the node software to see APRS, I guess a
seperate
driver for the different types of APRS. If necessary I can upload this software so that all the guru's
can
get hacking.

I think this would help APRS take off over here, and may even help things over your side of the pond,
but to
be honest things are so advanced over there I'm struggling to catch up!

73.....Ciemon GI0TRT
ciemon.d@virgin.net

229. HALO Rocket Balloon May 3rd (fwd)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 10:23:13 -0400 (EDT)
To: aprssig@tapr.org
Cc: mmarcus@hiwaay.net, bbrown@hiwaay.net
Message-ID: <Pine.GSO.3.95.970509101929.2157M-100000@arctic>
Rendered body type: text/plain

If you live in the southeast, here is a fun opportunity! If we can get
them to change the APRS DIGI PATH to RELAY, then anyone with a TNC
listeining on 441.05 can hook up the send side to a 2 meter radio on
145.79 and then EVERYONE on 145.79 will see it!

---------- Forwarded message ----------
Date: Thu, 8 May 1997 19:43:45 -0500
From: Gene Marcus <mmarcus@hiwaay.net>
To: "'amsat-bb@amsat.org'" <amsat-bb@amsat.org>
Subject: HALO Rocket Balloon May 3rd

The HALO Rocket Balloon is GO for launch at 6:15 am EDT for May 10th
or May 11th. A possibity for May 12th exists if weekend mornings are bad.
Check   http://fly.hiwaay.net/~bbrown/   for updates.

Gene W3PM GM4YRE
Huntsville, AL
mmarcus@hiwaay.net
w3pm@amsat.org

HALO Rockoon Flight

Location: Hampstead, NC (20 miles northeast of Wilmington, NC)
Date: May 10th
Time: 6:15 am EDT (Balloon liftoff)

Time: any time after 8:15 am EDT (Rocket Launch from 105,000 feet)

Transmitters:

On Rocket:

Callsign: KE4ROC
1280 MHz FM ATV (3 watts into vertical antenna)
441.050 MHz FM (packet radio with APRS formatted GPS data)

Coverage range: 700 miles from apogee (entire East Coast, Southeast and part of Midwest)

On Launch Gondola:

Callsign: WB8ELK
434.00 MHz AM ATV:(live color camera view of rocket liftoff) Horizontally polarized.

Coverage range: 400 miles at launch altitude.
(Southeastern states and on up to New Jersey and Pennsylvania.)

HF coordination nets:

3.871 and 7.155 MHz... W4HTB and WA3USG net controls.

Raindate: May 11th or 12th.

web site: http://fly.hiwaay.net/~bbrown/

email: bbrown@hiwaay.net (Bill WB8ELK)

230. MIC-Encoders

From: Ralph Milnes <milnes@openix.com>
Date: Fri, 09 May 1997 10:26:47 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970509102647.00691318@openix.com>
Rendered body type: text/plain

Some questions on the MIC-Encoder Unit:

Can it be made to work with an HT and a speaker mike without a lot of engineering? or is it intended strictly for mobile rigs?

If you use the traditional APRS frequencies, e.g. 145.79 with the MIC-E, do the voice transmissions glom up the frequency
and interfere with packets, i.e. reduce throughput?

231. Datum Differences

From: Mike Musick <71301.3106@CompuServe.COM>
Date: 09 May 97 10:52:59 EDT
To: <aprssig@tapr.org>
Message-ID: <970509145259_71301.3106_FHJ32-1@CompuServe.COM>
Rendered body type: text/plain

Ron noted:

>I have noticed that a location on a 100k Mac/WinAPRS map created by the
>Sproul's (such as on their CD-ROM) is consistently 2" farther north than
>the same location on a 100k map created by MacDLG.

>Is a different datum being used?

Funny you should ask, because that's what I've been working on this week. After creating a map trying to solve Doug Wetzel's coordinate shift problem in Seattle, I got a hard lesson in datums.

For the USGS maps, MacDLG uses the same algorithm as Jack Cavanagh's MKMAPHKx programs (again, thanks, Jack). This essentially means that MKMAPHKx maps and MacDLG maps are going to be using the NAD27 datum of the USGS 100K files.

By contrast, I do believe that Keith and Mark have a datum conversion to NAD83/WGS84 within their map creation program, and that's the difference that Ron is seeing. However, some not-too-scientific data comparisons and the coordinate shifting that Doug's experiences in the Northwest U.S. indicate that they might be trying to derive the datum shift algorithmically... possibly ignoring nonlinearities in the grid. (I do understand the need for the algorithmic shift - very large maps need to have the datum shift applied to

every point. Deriving the shift from a table creates its own nonlinearity problem.)

Generally, within the area of the contiguous States, the NAD27 to NAD83 difference is a slight skewing of the coordinate grid, roughly centered in mid-Illinois. However, in addition to general nonlinearities, this skew accellerates at roughly 115W. So the worst datum differences are in the west and north, equating to roughly 4.5" of error in the Puget Sound area.

I'm a little concerned about the advice we're hearing to change the datum output of one's GPS to match whatever map is in question. I think this is not a good idea. We've been using the "default" WGS84 pretty much within APRS, and if we have everyone toying with GPS datums the cumulative quality of the realtime data is going to drop markedly. This will also eventually add to Mark's, Keith's, and Bob's burdens by forcing them to parse and act on the datum data in the GPS stream and do on-the-fly conversions. All of the APRS's are already suffering to one degree or another from feature bloat, so let's not add a whole new subsystem for datum management.

I say the onus is on the mapmakers to conform the map generation to WGS84. I will use the conversion table method in MacDLG to simply shift map centers since MacDLG maps are typically local-area detail, with datum adjustment across an entire map obscured by granularity, anyway. If people start doing entire states with MacDLG <choke...gasp!>, then it might become an issue, and at that point I'll have to port some of the NADCON code to MacDLG.

Bob - if I understand your intent with NADCON, you are planning to write a utility to convert existing maps. You might want to consider putting in a comment line as an indicator that the map is converted. Or, maybe even have a standard comment line "*WGS84" to indicate that it has a correct datum, to accommodate new maps, too. Looking for this in the converter would avoid the dreaded double-conversion problem.

Semi-funny note about MacDLG - living so close to the center of the datum skew, the datum shift here amounts to a few meters at most. So in doing all of the development with data that I could verify first-hand, there was never any opportunity to notice datum effects. So I dismissed it all as no big deal. Can we say, "Oops!"?

...mike/N0QBF
71301.3106@compuserve.com

232. Re: [APRSSIG:12356] MIC-Encoders

From: Jeff Brenton <jeffb@stans.com>
Date: Fri, 09 May 1997 10:42:01 -0500
To: milnes@openix.com
Cc: aprssig@tapr.org
Message-ID: <337345C9.4F39@stans.com>
Rendered body type: text/plain

Ralph, MIC-E is intended to be used on voice channels, with nodes monitoring those channels to transfer the information to the APRS frequency. These units aren't really intended to be used on radios tuned to 145.790, since you wouldn't be talking there...

Most (if not all) questions from the user standpoint are covered in the MIC-E.TXT file in the README directory of APRS for DOS.

Ralph Milnes wrote:
> Can it be made to work with an HT and a speaker mike without a lot of
> engineering? or is it intended strictly for mobile rigs?
>
> If you use the traditional APRS frequencies, e.g. 145.79 with the MIC-E, do
> the voice transmissions glom up the frequency
> and interfere with packets, i.e. reduce throughput?

233. Re: [APRSSIG:12357] Datum Differences

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 12:34:15 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509122435.12332A-100000@arctic>
Rendered body type: text/plain

Effective immediately, all mapmakers should put the name of the map datum SOMEWHERE in the FIRST line of all NEW DOS map files. This will cause no problems to all existing software, because APRS and MAPFIX assume that everything past the first numeric value on that first line is just comments... TYpical first lines are now...

38, LATITUDE OF ORIGIN or whatever else you wanna say....

I am suggesting that from now on we insert the NAD27 into that line...

38, LATITUDE of ORIGIN in NAD27 and whatever else we wanna say...

This is currently for HUMAN consumption. but IF anyone ever MANUALLY
changes a map origin to WSG84, then he better put that in the text so that
someone else doesnt come along an try to convert it again later.

If someone makes a program to automatically convert all of the APRSdos
maps that were generated with the variousl derivitives of the USGS DLG
data to convert them to WSG84, then that program should INSERT the
text WSG84 in the line and should also FIRST scan the map for the
presenece of the characters "WSG84" and not then further CONVERT IT...

Of course if the presence of "WSG84" is missing then one can ASSUME
NAD27...

Is this a workable beginning?

234. Re: [APRSSIG:12356] MIC-Encoders

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 13:27:44 -0400 (EDT)
To: Ralph Milnes <milnes@openix.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509132529.12332C-100000@arctic>
Rendered body type: text/plain

On Fri, 9 May 1997, Ralph Milnes wrote:

> Can it be made to work with an HT and a speaker mike without a lot of
> engineering? or is it intended strictly for mobile rigs?

*** You may have to add a PTT transistor or something, we just didnt have
time to analyze all of the possible HT interfaces before dayton... We
WILL investgate thise after Dayton'
 >
> If you use the traditional APRS frequencies, e.g. 145.79 with the MIC-E, do
> the voice transmissions glom up the frequency
> and interfere with packets, i.e. reduce throughput?

APRSdos REPLY/COMMENT: No need to talk on 145.79, Just dial over there
every now and then and kerchunk your mic... and then go back to your
favorite freq to chat...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

235. Re: Auto-reply Loop

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 13:31:43 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509133011.12332D-100000@arctic>
Rendered body type: text/plain

Along the lines of the Doctors advice when it hurts... Dont do that...
Two stations which have the AUTO-REPLY message set in APRSdos should not
send a message to each other. You will get an endless loop!

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

236. Remote WX accumulated rain.

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 13:41:25 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509133211.12332E-100000@arctic>
Rendered body type: text/plain

OK, I did it. It will be in the next version. It will show as R#xxxx
whwere xxxx is the current value of the rain counter. Hope this helps...

On Fri, 9 May 1997, William Nolle wrote:

> Bob i hate to keep bugging you about the portable WX station rain

> function, but i would sure like to see something added to APRS to cover
> portable WX stations. Why could you not add or change the a AC to the
> now IN in the weather window this would tell everyone that the AC is
> accumalated and would be from a portable WX station. I again have had
> several e-mail messages telling my they have asked you to do something
> for the portable station, but their statements where for the most part
> about you not being interested in supporting the portable WX station, i
> have told them that i'm sure this is not the case and that there must be
> a good reason this hasen't been done yet. I would sure like an answer to
> this and if this will or will not be changed or added in the future so
> those working on protable wx stations using the UII know what to do.
>
> --
> Bill WA8INZ
> wa8inz@mindspring.com
> wa8inz@amsat.org
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

237. DAYTON APRS Live WEB page

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 13:49:05 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509134432.12332G-100000@arctic>
Rendered body type: text/plain

OK, I got the file from Robert Mahoney and it is now running on my DAYTON
WEB page. It is from last night however. If ANYONE in the Dayton area
can build a way to autmoatically FTP the dayton.tnc file to my ftp site
automatically, then this will be automatic. You will need my ftp
address, so if you can do this, contact me....

See DAYTON LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

238. Re: [APRSSIG:12359] Re: Datum Differences

From: clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
Date: Fri, 09 May 97 17:31:11 UTC
To: aprssig@tapr.org, bruninga@nadn.navy.mil
Message-ID: <27854@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

WB4APR said:
> This is currently for HUMAN consumption. but IF anyone ever MANUALLY
> changes a map origin to WSG84, then he better put that in the text so that
> someone else doesnt come along an try to convert it again later.
>
> If someone makes a program to automatically convert all of the APRSdos
> maps that were generated with the variousl derivitives of the USGS DLG
> data to convert them to WSG84, then that program should INSERT the
> text WSG84 in the line and should also FIRST scan the map for the
> presenece of the characters "WSG84" and not then further CONVERT IT...
>
>
> Of course if the presence of "WSG84" is missing then one can ASSUME
> NAD27...

Bob's suggestion to include descriptive information on the reference datum
makes sense.

However I want to question his choice of NAD27 as the default. In my
professional life, one of my specialties is high accuracy geodesy! The
choice of the antiquated NAD27 as the fundamental reference is a poor
one. I would advise the use of WGS84 as the default for these reasons:

(a) Your GPS receiver internally operates intrinsically in WGS84.

(b) The map suppliers are converting all their old maps to either NAD83
    (in the USA) or WGS84 or ITRF (elsewhere in the world) coordinates.
    [For the purpose of this discussion, NAD83=WGS84=ITRF at the meter level].
    All the new maps you get will be in WGS84=ITRF=NAD83. Soes it make
    sense to have to convert them back?

(c) APRS (and related applications) are being used all around the world.
    In the past day there have APRSSIG comments relating to Belize & UK.
    The concept of NAD27 is totally irrelevant in other parts of the world!

(d) WGS84=ITRF=NAD83 is THE world wide standard. Why use an outmoded
    reference frame for a state-of-the-art application?

(e) Digitized maps from the outside world (like the CIA data base) are
    disseminated in WGS84.

73, Tom

239. Re: [APRSSIG:12359] Re: Datum Differences

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 14:20:13 -0400 (EDT)
To: Tom Clark -- W3IWI <clark@tomcat.gsfc.nasa.gov>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509141519.12332I-100000@arctic>
Rendered body type: text/plain

On Fri, 9 May 1997, Tom Clark -- W3IWI wrote:

> Bob's suggestion to include descriptive information on the reference datum
> makes sense.
>
> However I want to question his choice of NAD27 as the default.

APRSdos REPLY/COMMENT: Thanks Tom for the opportunity to clarify this.
THe default of NAD27 is because almost all of the present APRSdos maps at
the street level where it makes any difference were derived from the USGS
DLG data. My understanding was that all of this data is in NAD27 datum.

YES, our objective is to use only WGS84. But to make sure everyone knows
what they are dealing with, I was recommending that all existing maps
presumed to be derived from NAD27 be marked that way so that we know
that they are NOT WGS84.

>From this point on, hopefully eeryone will begin marking them so we know
what we have...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

240. Preliminary Documentation on PacComm firmware release 4.0

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 9 May 1997 14:16:10 -0400
To: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <01BC5C83.8D772C40@gwyn>
Rendered body type: text/plain

I hope this to be of general interest to the APRS community. It is a large
file. Any flames may be addressed to my personal address. This is close to
final, but any corrections or observations will be appreciated.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

Recent changes to the PicoPacket hardware and firmware as of May 1, 1997
(Draft/preliminary).
 Most or all of the commands (except those devoted to two port models) are
also in the firmware for other
PacComm products.

OVERVIEW

We have revised the circuit board to eliminate the problem of loss of
parameters stored in memory which
happened intermittently on previous models.

The CPU clock speed has been doubled for increased responsiveness when used
with GPS receivers and
higher baud rates on the terminal port.

We are now fitting LEDs of multiple colors vice the all red configuration

shipped previously.

To support battery pack models with a built-in GPS receiver, new firmware allows you to set parameters to control the GPS sleep mode. If your application requires a new fix only each 3-5 minutes, power drain on the battery pack may be reduced up to 80%. NOTE: This will work in older PicoPacket units if some minor hardware updates are made.

The latest firmware release supports full remote commanding of the TNC, and has an expanded digipeat function to reduce congestion on UI networks, both described below.

The PicoPacket 2 port model (and internal GPS model) can support string scanning on both ports, e.g. connecting a GPS receiver to one port and a weather station to the other port. This is enabled by the GPS Y|N command being set to Yes which enables string scanning on the RS-232-1 port. That function is always enabled on the RS-232-2 port.

Digipeating Callsign Substitution

The DIGIpeat command was previously an Y|N command. The new command parameters in release 4.0:

DIGI 0 - DIGIpeat off (the old DIGI N)
1 - DIGIpeat on and digi swap enabled
2 - DIGIpeat on and digi own enabled
3 - DIGIpeat on and digi not-own, and digi swap enabled
4 - DIGIpeat on and digi once enabled
5 - DIGIpeat on and digi swap and digi once enabled
6 - DIGIpeat on and digi not-own and digi once enabled
7 - DIGIpeat on and digi swap, digi not-own, and digi once enabled (default)
8 - DIGIpeat on (like the old DIGI Y with no new features)

- DIGI SWAP - This function causes the TNC to replace the alias call in a frame with the MYCALL when the TNC digipeats the frame.
- DIGI NOT-OWN - This function causes the TNC to never digipeat a frame that was originated with this TNC's MYCALL.
- DIGI ONCE - This function causes the TNC to only digipeat a frame once when it finds its MYCALL in the path and the "has been repeated" bit is on.

REMOTE COMMANDING
A Password protected REMOTE COMMANDING feature has been added.

Definitions:
- Remote TNC is the TNC which will be controlled over the RF link.
- Base TNC is the TNC from which the operator sends commands to the remote TNC.
- Operator is the person at the keyboard of the base TNC.
- Password is the value stored in the remote TNC in the PASSWD parameter.
- Password Query string is the authorization verification request from the remote TNC to the operator.
- Response string is the characters sent by the operator in reply to the query.

The following commands implement that feature:

REMOTE Y|N Enables or disables the remote commanding function in the remote TNC.
RMTcall The command to enter the remote commanding callsign in the remote TNC.
PASSWD Sets the password in the remote TNC used in remote commanding operations.

NOTE: The first two commands above must be initially set from the terminal attached to the TNC which is to be remotely commanded. PASSWD can be changed over the RF link or set from the remote terminal.
Once set, the PASSWD and REMOTE values can be changed remotely. Caution: If you remotely set REMOTE OFF, and disconnect, then another remote connection may not be established. The RMTcall

(and any other TNC callsign field) cannot be changed over the air.

When REMOTE is set to Yes and RMTcall (remote callsign) is set, a remote connection may be made to the TNC's RMTcall to issue and view the output from TNC commands. All commands may be executed remotely with the following exceptions:

- No callsign changes will be honored.
- PMS should not be accessed. Some PMS commands work, but some may fail. The proper way to access ALL PMS commands is via connecting to the PMS callsign and using the Remote SYSOP function.
- The DISPlay command will send 300 bytes of data and then stop. You should avoid use of DISP and instead use subsets of that command such as DISP H or DISP T etc. If you use the DISP command you will get approximately 300 characters and then nothing else. Sending a <CR> (empty frame) will restore the CMD: prompt.
-The help command (not on all products) is subject to the same constraints as the DISP command.

A PACLEN setting of greater than 80 is recommended for all remote commanding operations.

The PASSWD <string> command is used to set the password in the remote TNC. <String> is a 31 character field which contains the password. This field can be cleared by entering the % character. If the PASSWD field is blank, then the TNC will function without any password protection The default value of PASSWD is: PASSWORD. If this field is set over the RF link, the entire password must be sent and received in a single packet - up to 31 characters or numbers, followed by a (CR), in other words PACLEN must be greater than 32 for it to work.

When a connection is made to the remote TNC's RMTcall callsign, the TNC selects five random letters from the stored password, and sends the remote user five decimal numbers corresponding to the position of these letters within the stored password. The remote user must respond with the corresponding five letters to gain access to the TNC.

If the correct response to the password query is entered, the TNC will respond by sending the CMD: prompt. If the wrong password is entered the TNC will disconnect.

The response string can contain leading and trailing camouflage characters, as long as the correct five letters are included somewhere in the entered string. The password search is case sensitive, so be sure to use the correct case.

Example: If using the default password of PASSWORD the remote TNC might send a password query of : 01 08 05 06 02. The operator would enter: PDWOA to gain access to the TNC. The user could also enter: oiJItPDWOAkjhNHCYfa and gain access.

The operator entered response string should not exceed 80 characters, and it must always be less than the MAXPAC length value set in the base TNC.

If no password is entered in the remote TNC, (PASSWD is clear), then any connect to the RMTcall will gain access to the TNC.

OTHER FIRMWARE FEATURES TO SUPPORT APRS AND UI MODE (UNCONNECTED) COMMUNICATION

?APRS? function. When the TNC receives a frame with the data field consisting of ?APRS? it will immediately initiate transmission of xxxxxx

BRAnge command (beacon timer range) allows setting the beacon timing interval. 2 = 1 sec, 3 = 10 sec

(default and traditional value), 4 = 100 sec. Thus with BRA set to 2, B E 1 will cause a beacon to be
transmitted each second. See also LRANGE.

The new CONRPT command when set to Yes sends the LTEXT buffer along with any connect to PMS,
or if CMSG is on with any connect to MYCALL. This allows the CTEXT and STEXT fields to be used
for a fixed text message.

The DISPlay command has a new display class of DISP G for GPS related parameters.

EBEacon Y|N Beacon echoing to the serial port.
N = no echo of the beacon text sent to the radio port.
Y = send the beacon text to the terminal port when it is sent to the radio port.

ELOC - Enables or disables echoing the content of LOCation beacons to the serial port.
ELOC has three settings.
0 = off
1 = send to the terminal port only
2 = send to the terminal and RF port

The command FIXTYPE establishes how the TNC determines if a good fix exists.
   0 = no fix
   1 = use the $GPGGA string to verify a good fix
   2 = Use a string length of greater than 34 to identify a good fix
   3 = Use a match of any search for string to identify a good fix
   4 = use only LTEXT search for string as >34 for a good fix

The FIX LED operates according to this LED state table:

Models with single color FIX LED:
OFF   - GPS is off, and no fix has been received.
ON   - GPS could be on or off, but a good fix was received the last time power was on.
BLINKING - GPS is on, and is searching for a good fix.

Models with dual color (red/green) FIX LED:

OFF   - GPS is off, and no fix has been received.
GREEN - GPS off, but a good fix was received the last time power was on.
YELLOW (Red and Green together) - GPS is on and a good fix has received.
BLINKING RED and YELLOW - GPS is on, and is searching for a good fix.

GPS POWER SLEEP. This feature adds the controls to turn off the GPS receiver based on the commands
GPSSleep and GPSLimit.

The GPSSleep command sets the duration in seconds that the GPS will remain off after receiving a good
fix. A value of zero (0) disables this function. (PicoPacket only.)
GPSLimit sets the time limit in seconds that the GPS receiver's power will remain on in the event that no
good fix is received. A value of zero (0) disables this command. If disabled, the power to the GPS receiver
will stay on until a good fix is received if GPSSleep is active. If GPSSleep is set to ZERO (0) this ommand
is not active. (PicoPacket only.)

GPSITEXT is a user settable configuration string sent to the GPS when theTNC is powered on.

GPS- ON|exit character. On single serial port models this command disables the command parser and
enables the GPS parser. On dual serial port models this command switches the GPS parser from the
second port to the primary port.

GPSExit - Sets the command which causes the TNC to exit from the GPS mode. Defaults to '\'.

GPSTEXT, LG1TEXT, LG2TEXT, LG3TEXT fields allow specifying the NMEA GPS sentences to be
parsed. Settable to any value, even non-GPS strings for weather station support.

LGETchar - Sets the value of the 'hot key' character used to dump GPS capture buffers to the serial port
on 2 port models. LGETCHAR will always send the data that is in the LTEXT, L1text, L2text, and
L3text fields to the terminal port. If the ELOC value is set to 2, then it will also cause these buffers to be
transmitted. (PicoPacket only.)

The LOCation command controls a beaconing facility tied to the GPS capture buffers. The command
takes arguments just like the BEACON command e.g. LOC E 2 or LOC A 5. When LOC is enabled, it
transmits any non-zero GPS capture buffers (LTEXT, L1TEXT, L2TEXT, L3TEXT).

LPATH is analogous to UNPROTO - the path by which location beacons will be sent. [Beacons to out via
UNPROTO, Locations go out via LPATH.]

LRAnge command (Location timer range) allows setting the location timing interval.1 = 100mS, 2 = 1
sec, 3 = 10 sec, 4 = 100 sec. Thus with LRA set to 2, LOC E 1 will cause a beacon to be transmitted each
second. See also BRANGE.

LTEXT is a location capture buffer analogous to BTEXT. The GPS parser puts the GPS string specified in
GPSTEXT into LTEXT, thus saving BTEXT for normal beacons. Similarly LG1TEXT is stored in the
L1TEXT capture buffer, LG2TEXT in L2TEXT etc.

MYA - Primary alias callsign for digipeating.
MY1A - Additional alias callsign for digipeating.
MY2A - Additional alias callsign for digipeating.
MY3A - Additional alias callsign for digipeating.

The QRA function has been added. When a UI frame is received addressed to QRA-0, the TNC will
respond after a random time of up to two minutes with an ID frame. The QRA function works with the
HID command. If HID is off (which is the default), QRA will never send an ID.

RTCsync - Y|N Enables sychronizing the TNC clock to GPS received time. The clock is updated to GPS
time once per minute if GPSSleep is OFF, and on every fix if GPSSleep is enabled. RTCSync will get it's
time from any $GPGGA sentence, and it is not necessary for any of the GPS capture buffers to be
scanning for the GGA sentence. Of course if your GPS does not put out a $GPGGA string you will not be
able to have your time set to GPS time.

The TDMA function provides a time-slotted location beaconing system which effectively eliminates the
hidden transmitter problem.. It works with the LOC and Beacon commands to allow beaconed text or
location reports (or any strings parsed by the capture function) to be transmitted once per minute, or once
per hour. In addition, short duration transmissions (such as those at 9600 bps) may use sub-second
slotting. In the maximum configuration ten subslots per second, 60 seconds per minute, and using one
beacon per hour will accommodate reporting from 36,000 stations. Such time sensitive transmissions are
made possible by reference to the GPS time (see RTCSync command.)

The following commands work with the capture buffers (LTEXT, L1TEXT, L2TEXT, and L3TEXT.)
- LSLOT takes a value of 0 to 59 indicating the second to be used. A value of 60 disables the function.
- LSLOTMIN takes a value of 0 - 59 which selects which minute of the hour will be used. If set to 60
then LSLOT will be asserted every minute.
- LSUBSLOT takes a value of 0 up to the value of LSUBNUMB. This defines the subslot used.
- LSUBNUMB takes a value of 0 to 9. 0 = no extra subslots, i.e. the subslot is the complete slot.
1 = one additional subslot (a total of two), etc, up to 9 which allots 10

slots of 100 mS.

The following slots enable TDMA transmissions using the BTEXT data field.
- BESLOT Y|N switches between TDMA beacon timing (Y) and conventional
beacon timing (N).
- BSLOT takes a value of 0-59 indicating which second is to be used, 60
disables the function.
- BSUBSLOT takes a value of 1 to 9 indicating which tenth of a second slot
to be used.

UIMODE puts the TNC directly into CONMODE upon power-up. In other words,
the TNC will not come
up with a CMD: prompt if UIMODE is ON. Thus the TNC will be ready to send
UI frames generated by
APRS without operator intervention.

241. Repeaters supporting the Mic-Encoder?

From: Arte Booten <n2zrc@webspan.net>
Date: Fri, 09 May 1997 10:23:08 -0400
To: aprssig@tapr.org
Message-ID: <3373334C.7F34@webspan.net>
Rendered body type: text/plain

Hi all,

     Here in the New York City area we are fortunate enough to have at
least one repeater that supports (part-time) the Mic-Encoder. Perhaps
someone on the SIG could compile, and periodically post, a listing of
them. Even better: Since TAPR is the "official" source of packet in-
formation, perhaps this information could also be included in TAPR's
"digital" listings as well ... maybe even in a graphical format.

     Ideally, stations reporting this information would do so in a for-
mat condusive to building a "MIC-E.POS" file so it could also be dis-
tributed with new versions of APRS, as well as being easily e-mailed to
the SIG. This way, we could just cut-and-paste that portion of the mes-
sage into a text editor and shove it into our POS folders (or whatever
the Mac/Unix/OS2 equivalents are!)

     BTW, this initially started out in my mind as curiosity as to how
many repeaters support the Mickey-Mike yet. It'll be interesting to see
how this list grows in the coming years.

     One other thing: Those of you who are in areas where such repeat-
ers are active have probably run into the "anti-braaap" types in the
club. We have one (whose name and call I deliberately leave out!), who
vociferously bemoans every single Mic-e packet! In order to avoid this
type of situation, it is suggested (if possible) that the packets be mu-
ted from the repeater's output. 73
--
                 __   Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
============================   Local APRS Elmer
  ___'---...______...---'___   (Automatic Position Reporting System)
 (___)   _!__!_   (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
     `````.__'--'__.'````Cruise Missile Coordinates 4052.71N/07354.06W
           ````

... But those coordinates are deep within the planetoid ...

242. Re: [APRSSIG:12362] Remote WX accumulated rain.

From: William Nolle <wa8inz@mindspring.com>
Date: Fri, 09 May 1997 15:23:23 -0500
To: aprssig@tapr.org
Message-ID: <337387BB.1BA7@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> OK, I did it. It will be in the next version. It will show as R#xxxx
> whwere xxxx is the current value of the rain counter. Hope this helps...
>

Thank you, Thank you. I thank you and i'm sure many other protable WX
station builders using the UII do also. At least now I can complete my
project that i started but wasn't sure i was going to finish. For those
of you that have send me private e-mail about Bob not being open to
changing or helping this to work with APRS should now bend your head in

shame Hi. I have been running APRS since it's outset and have always
found Bob to be a good listener and always open to suggestions. So their
i said my piece and again thank you for listening Bob.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

243. HF TNC tones and Freqs (rev 4)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 16:34:55 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509162634.12332Q-100000@arctic>
Rendered body type: text/plain

I still need the default tones for the PK-900....

Here is a summary of HF TNC tones based on the National APRS 30 meter
emissions of 10.149.2 and 10.149.4 MHz. The dial frequency column below
is what you should see on your radio in LSB.

HF TNC	LOW	CENTER	HIGH	SHIFT	DIAL FREQ	LSB
KAM	1600	1700	1800	200	10.151.000	W3ADO TNC defined 10.151
PComm TNC-320	1600	1700	1800	200	10.151.000	
MFJ 1270/74B	1600	1700	1800	200	10.151.000	No longer in production
AEA DSP-232	1600	1700	1800	200	10.151.000	Selectable
MFJ 1270/74c	2125	2210	2295	170	10.151.510	Current MFJ's
MFJ 1278	2125	2210	2295	170	10.151.510	
PK-232	2110	2210	2310	200	10.151.510	Adjustable
BEL 103	2025	2125	2225	200	10.151.425	Original HF Pkt modem
PComm TNC-220	2025	2125	2225	200	10.151.425	
PK-88	2025	2125	2225	200	10.151.425	
PK-900	?	?	?	?		
DSP-12	2125	2225	2325	200	10.151.525	
AEA DSP-232	2125	2225	2325	200	10.151.525	Selectable

If you have data that differs from the above, lemme know. Thanks.

244. RE: [APRSSIG:12366] Preliminary Documentation on PacComm firmware release 4.0

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 9 May 1997 16:29:30 -0400
To: "'Bob Bruninga'" <bruninga@nadn.navy.mil>
Cc: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <01BC5C96.2DE71520@gwyn>
Rendered body type: text/plain

NO, the firmware features are for all our TNCs, not just the Pico. I will
make that clearer in the final version.

A few of the two-port things can only apply to the PicoPacket, but the rest
of them are available in:
TINY-2 (MK-2 and older versions too)
HandiPacket
Heathkit HK21
TNC-200 (and all TNC-2 compatibles)
TNC-220
TNC-320
PC-320
TNC-NB96

in other words, all our products. Note that in a few models we had to leave
out the message system to get the GPS code to fit, but in most cases it ALL
is there.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

From: Bob Bruninga[SMTP:bruninga@nadn.navy.mil]

Sent: Friday, May 09, 1997 12:25 PM
To: Gwyn Reedy
Subject: Re: [APRSSIG:12366] Preliminary Documentation on PacComm firmware
release 4.0

I read this as only in the PICO-TNC. Any comment on availability for
the the tiny-2? No reply needed if it is in the docs. I will eventually
read the whole thing in detail..

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

245. Re: [APRSSIG:12369] HF TNC tones and Freqs (rev 4)

From: Dick Mead <mead@usc.edu>
Date: Fri, 09 May 1997 14:38:12 -0800
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <3373A750.3D2A@usc.edu>
Rendered body type: text/plain

This is from the AEA PK-900 manual for the HF AFSK modem
used for 300 bps packet:

Mark 2110 hz, Space 2310 hz, Shift 200 hz

My TS-440 shows a dial reading of:

10.1515 Mhz, LSB, using the above.

Dick WB6NGC

246. Re: [APRSSIG:12367] Repeaters supporting the Mic-Encoder?

From: Huey Fourquet <huey@wsii.com>
Date: Fri, 09 May 1997 17:35:17 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970509173517.0068beec@wsii.com>
Rendered body type: text/plain

Has anyone talked to the ARRL about adding a code for Mic-E to the list of
features for each repeater?

Huey
N1HF

At 01:42 PM 5/9/97 -0500, Arte Booten wrote:
>Hi all,
>
>   Here in the New York City area we are fortunate enough to have at
>least one repeater that supports (part-time) the Mic-Encoder. Perhaps
>someone on the SIG could compile, and periodically post, a listing of
>them. Even better: Since TAPR is the "official" source of packet in-
>formation, perhaps this information could also be included in TAPR's
>"digital" listings as well ... maybe even in a graphical format.
>

247. 441.05 Mhz. as APRS UHF frequency....

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 9 May 1997 14:47:13 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org, 74637.2347@compuserve.com
Message-ID: <Pine.SUN.3.96.970509143927.2847H-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 9 May 1997, Bob Bruninga wrote:

> If you live in the southeast, here is a fun opportunity! If we can get
> them to change the APRS DIGI PATH to RELAY, then anyone with a TNC
> listeining on 441.05 can hook up the send side to a 2 meter radio on
> 145.79 and then EVERYONE on 145.79 will see it!

Not to sound ignorant, but why not just simply add 441.05 Mhz. as a
permanent part of APRS operations??? I mean, the ARRL has been CLAMOURING
at us to use the 70 cm. band, why not let APRS be the incentive in order
to do it???

I'm sure that if there's enough interest, we can get enough stations to
put up 2m/440 or HF/VHF/UHF gateways.

Just a thought.... :-)

73's for now my friends!! :-)

Patrick, KB0OXD

248. Re: [APRSSIG:12373] 441.05 Mhz. as APRS UHF frequency....

From: Steve Lewis N8TFD <lewse@email.uc.edu>
Date: Fri, 09 May 1997 18:52:07 -0400
To: patcook@dimensional.com
Cc: aprssig@tapr.org
Message-ID: <3373AA97.1B41@email.uc.edu>
Rendered body type: text/plain

Don't know much about your area of 0-land...but in Toledo, Dayton,
Cincinnati, and points in between there is 1200-baud and 9600-baud
activity on that channel. You will find packet on 441.025, and 441.075
in the same areas. This activity is generally forwarding and
node-stuff, not APRS.

Hate to be a wet blanket but thought I would send a heads-up.

-73- de N8TFD/Steve

Patrick Cook wrote:
>
> On Fri, 9 May 1997, Bob Bruninga wrote:
>
> > If you live in the southeast, here is a fun opportunity! If we can get
> > them to change the APRS DIGI PATH to RELAY, then anyone with a TNC
> > listeining on 441.05 can hook up the send side to a 2 meter radio on
> > 145.79 and then EVERYONE on 145.79 will see it!
>
> Not to sound ignorant, but why not just simply add 441.05 Mhz. as a
> permanent part of APRS operations??? I mean, the ARRL has been CLAMOURING
> at us to use the 70 cm. band, why not let APRS be the incentive in order
> to do it???
>
> I'm sure that if there's enough interest, we can get enough stations to
> put up 2m/440 or HF/VHF/UHF gateways.
>
> Just a thought.... :-)
>
> 73's for now my friends!! :-)
>
> Patrick, KB0OXD

249. Re: [APRSSIG:12374] Re: 441.05 Mhz. as APRS UHF frequency....

From: rwf <rwf@mindspring.com>
Date: Fri, 09 May 1997 19:36:29 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970509193621.00afdd28@mindspring.com>
Rendered body type: text/plain

Looks like this ole 440 frequency issue is starting up again!

Since Patrick is new to the SIG and new to APRS (I think he said a couple
of days ago that he was gonna get a TNC soon), I thought I would post this
frequency utilization plan for y'all. It is the 440 simplex digital plan
in SERA territory. SERA represents coordination and VHF/UHF interests in
Kentucky, Mississippi, North Carolina, South Carolina, Virginia, Tennessee,
West Virginia & Georgia.

The 441.05 frequency is a packet simplex frequency in these states and
(unless it is being used already for some sort of backbone or other use)
would work for APRS)

445.925, as Bob suggests in his documentation:UHF-FREQ.TXT, is a VOICE
simplex frequency in these states.

FROM: http://www2.wku.edu/~martija/440.html

SERA 70 cm NBFM Digital/Packet Simplex

440.9125   440.9250   440.9375   440.9500   440.9625   440.9750
440.9875   441.0000   441.0125   441.0250   441.0375   441.0500
441.0625   441.0750   441.0875   441.1000   441.1125   441.1250
441.1375   441.1500   441.1625   441.1750

441.000 is the National FM Digital Simplex Calling Frequency

This is a starting point on a frequency that has a chance of being acceptable in my area. Further research would need to be done to coordinate with existing packet activity. Many states have Packet Coordinators who work with frequency allocaton lists such as this one and further allocate frequencies. It would be nice to hear constructive comments from them so a list could be pared down. I think that we will probably find that in Southern California, these may be repeater output frequencies.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask me how!

250. Re: [APRSSIG:12374] Re: 441.05 Mhz. as APRS UHF frequency....

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Fri, 09 May 1997 19:30:54 -0500
To: aprssig@tapr.org
Message-ID: <3373C1BE.5F4C@kcaprs.org>
Rendered body type: text/plain

441.050 used to be packet forwarding backbone here in Kansas City but was creating QRM to ATV operations and we moved everything up to 446.100 vicinity. You might reasonably expect similar problems nationwide...

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail: ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

251. UHF Frequency Thread

From: "Rich Garcia" <n2czf@magg.net>
Date: Fri, 9 May 1997 21:44:10 +0000
To: aprssig@tapr.org
Message-ID: <199705100144.VAA16659@grumpy.magg.net>
Rendered body type: text/plain

Well maybe we should look at it from another angle.

UHF has a lot of problems with specific uses that vary from area to area, the bandplan is much more dependant on geography than let's say 2M for example. 2M may have slight variations from place to place but all in all bandplans are SOMEWHAT similar.

Instead of doing nothing but spending time deciding what frequency to use for a NATIONAL UHF APRS Channel just pick one out that works for your area. Yes it would be GREAT to have one but chances are slim and what are the chances of it NEEDING to be Nationwide ? Most APRS users will have a way to find these various frequencies if need be and if not I would hope that areas with UHF APRS will maintain VHF APRS operations also.

It is just food for thought, if there were more APRS operations in this immediate area I would have already set up some operations up there. I would hate to see larger APRS nets wait to begin operation until the solution is solved, since it may never be.

not ever get solved before they begin.

Rich Garcia N2CZF
n2czf@magg.net
n2czf@qsl.net
Jupiter Farms Fl.
http://www.magg.net/~n2czf/aprs.html

Rich Garcia N2CZF
n2czf@magg.net
n2czf@qsl.net
Jupiter Farms Fl.
http://www.magg.net/~n2czf/aprs.html

252. Re: [APRSSIG:12367] Repeaters supporting the Mic-Encoder?

From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
Date: Fri, 9 May 1997 22:40:24 -0400 (EDT)
To: Arte Booten <n2zrc@webspan.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SV4.3.95.970509223751.7786B-100000@outland.dtcc.edu>
Rendered body type: text/plain

Arte, I volunteered to complie this list but no one has sent me info. To
begin here is local repeater that supports MIC-E

N3YMS Rpt 147.30 + 0.6 Dover Raceway, Dover, DE (no PL)

Sam

On Fri, 9 May 1997, Arte Booten wrote:

> Hi all,
>
> Here in the New York City area we are fortunate enough to have at
> least one repeater that supports (part-time) the Mic-Encoder. Perhaps
> someone on the SIG could compile, and periodically post, a listing of
> them. Even better: Since TAPR is the "official" source of packet in-
> formation, perhaps this information could also be included in TAPR's
> "digital" listings as well ... maybe even in a graphical format.
>
> Ideally, stations reporting this information would do so in a for-
> mat condusive to building a "MIC-E.POS" file so it could also be dis-
> tributed with new versions of APRS, as well as being easily e-mailed to
> the SIG. This way, we could just cut-and-paste that portion of the mes-
> sage into a text editor and shove it into our POS folders (or whatever
> the Mac/Unix/OS2 equivalents are!)
>
> BTW, this initially started out in my mind as curiosity as to how
> many repeaters support the Mickey-Mike yet. It'll be interesting to see
> how this list grows in the coming years.
>
> One other thing: Those of you who are in areas where such repeat-
> ers are active have probably run into the "anti-braaap" types in the
> club. We have one (whose name and call I deliberately leave out!), who
> vociferously bemoans every single Mic-e packet! In order to avoid this
> type of situation, it is suggested (if possible) that the packets be mu-
> ted from the repeater's output. 73
> --
> __ Mr. Arte Booten mailto:N2ZRC@webspan.net
> ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
> ============================== Local APRS Elmer
> ___'---..._____..---'___ (Automatic Position Reporting System)
> (___) _!__!_ (___) 1MI0/N2ZRC-Monster Is. Defensive Force
> ___.-'_.--._'-.___// Protector of the Realm of Monster Island
> ````'.__'--'__.'````Cruise Missile Coordinates 4052.71N/07354.06W
> ````
> .. But those coordinates are deep within the planetoid ...
>
>
>

```
**************************************************************
Dr. Sam Guccione        Delaware Technical & Community College
Chair Engineering       Terry Campus
Technologies/Physics    1832 North duPont Highway
302-741-2802            Dover, DE  19901
ARS K3BY                302-741-2838 Fax
**************************************************************
         Delaware Rocket Launch Technical Home Page
           http://www.dtel.terry.dtcc.edu/~rocket
**************************************************************
```

253. mail

From: kd4emi@juno.com
Date: Fri, 9 May 1997 22:40:48 +0000
To: aprssig@tapr.org
Message-ID: <19970509.224048.12118.5.KD4EMI@juno.com>
Rendered body type: text/plain

WOW...
looks like ol' subtle Mike pushed the button again.

There were quite a few replies about the tnc coding.

My gut feeling is since Paccom is obviously supporting us in APRS, that
in turn,
I'll support their products.

Well done Paccom

(now since I got win 95 I'm trying to figure out how to access the cd rom
and get win aprs running again...geez it's like starting over !!!)

Mike KD4EMI@JuNO.COM

254. HF TNC tones and Freqs (rev 5)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 9 May 1997 23:54:59 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970509235212.28285B-100000@arctic>
Rendered body type: text/plain

Here is a FINAL summary of HF TNC tones based on the National APRS 30
meter emissions of 10.149.2 and 10.149.4 MHz. The dial frequency column
below is what you should see on your radio in LSB.

HF TNC	LOW	CENTER	HIGH	SHIFT	DIAL FREQ	LSB
KAM	1600	1700	1800	200	10.151.000	W3ADO TNC defined 10.151
PComm TNC-320	1600	1700	1800	200	10.151.000	
MFJ 1270/74B	1600	1700	1800	200	10.151.000	No longer in production
AEA DSP-232	1600	1700	1800	200	10.151.000	Selectable
AEA PK-900	1600	1700	1800	200	10.151.000	
MFJ 1270/74c	2125	2210	2295	170	10.151.510	Current MFJ's
MFJ 1278	2125	2210	2295	170	10.151.510	
PK-232	2110	2210	2310	200	10.151.510	Adjustable
BEL 103	2025	2125	2225	200	10.151.425	Original HF Pkt modem
PComm TNC-220	2025	2125	2225	200	10.151.425	
PK-88	2025	2125	2225	200	10.151.425	
DSP-12	2125	2225	2325	200	10.151.525	
AEA DSP-232	2125	2225	2325	200	10.151.525	Selectable

If you have data that differs from the above, lemme know. Thanks.

255. Re: MIC-Encoders

From: Wes Johnston <kd4rdb@usa.net>
Date: Sat, 10 May 1997 00:07:42 -0400
To: jeffb@stans.com, aprssig@tapr.org
Message-ID: <3.0.32.19970510000523.006dbd80@coca.net>
Rendered body type: text/plain

At 10:44 AM 5/9/97 -0500, Jeff wrote:
>Ralph, MIC-E is intended to be used on voice channels, with nodes
>monitoring those channels to transfer the information to the APRS
>frequency. These units aren't really intended to be used on radios tuned
>to 145.790, since you wouldn't be talking there...

Jeff is right. And, how about this? Any aprs user can make any repeater
mic e compatible by simply monitoring the output, and TXing packets to the
aprs network. This can be done by setting your TX offset to make a "split"
that will end up tx'ing on 145.79. For example, your local repeater is
146.88, and you want to relay mic-e packets to aprs. 146.88 - 145.79 =
1.09mhz. Change the split on the aprs rig from it's default of 600khz to
1.09mhz, and set a minus offset. Of course the repeater I wish to watch is
146.97, and my ic229 won't set the proper split (1.18mhz), it misses by a
few khz. Maybe this will work with some other rigs at allow the split to
be set in 5khz rather than 12.5 khz increments. Of course, this is only
going to anger the anti-packet racket on voice channels crowd... The

proper solution is to put a tnc at the repeater site, and hook the carrier detect led to a relay, and mute audio when a valid carrier is present.

I do have a question for the group, while i'm at it. We may be able to get the club to allow us to use the control link antenna at the repeater site to xmit aprs. It's a dual bander, and they only use the 70cm part. I'd like to make the repeater mic-e compatible, and it's easy enough to do, BUT, it'd sure be nice to have a WIDE node at 300' too. Any suggestions on hooking two tnc's together, one acting as a wide, rx'ing and tx'ing on aprs, and the other picking off data from the audio part of the repeater? I've thought about writing a small program to run on a very very very gutted and cheap PC with a floppy that would listen to two serial ports, and gate only valid packets from voice mode to aprs node. Any other simpler suggestions? Maybe a Y cable so that both TNCs are hooked to the mic plug on the APRS radio? (the WIDE tnc hears the APRS radio, and the MIC-E tnc's audio in comes from the repeater reciever). How could the WIDE tnc hold off the TX on the MIC-E tnc when the aprs channel was busy? The MIC-E tnc can't try to tx when either the aprs radio is recieveing a packet, or when the WIDE tnc is tx'ing. any suggestions?

73's de Wes
http://www.premierweb.net/users/kd4rdb
mailto:kd4rdb@usa.net
mailto:kd4rdb@on1kul-10.ampr.org

256. Re: [APRSSIG:12373] 441.05 Mhz. as APRS UHF frequency....

From: BF4SMK3@CHESHUB1.BELL-ATL.COM
Date: Sat, 10 May 1997 00:10:24 -0400
To: "aprssig(a)tapr.org" <aprssig@tapr.org>
Message-ID: <00316000065384500000002*@MHS>
Rendered body type: text/plain

I just yesterday started to crossband 145.790 and 441.050 here in
     Laurel/Calverton area of Maryland. I use a PL tone of 156.7 on the
     441.050 side since I did not get a chance to monitor the packet
     activity on 441.050 before setting up this configuration - didn't want
     to send a bunch of other junk over to the 2meter side. I do send all
     the 145.790 traffic over to 441.050. Reason for me crossbanding is
     that we will be running APRS at the Laurel Main Street Festival on Sat
     5/10, and I want the APRS station near to the voice operations but
     don't want to cause any interference. So I'll ru a 440 HT from the
     APRS station and us my Kenwood TM-733A in the car about a block away
     to do the crossbanding. I don't have an 'extra' dual-bander to devote
     to it probably won't be up on a regular basis, at least for a while.

     73

     Mark/N3NTQ
     laurel@webtrek.com

_____ Reply Separator _____
Subject: [APRSSIG:12373] 441.05 Mhz. as APRS UHF frequency....
Author: aprssig@tapr.org at INTERNET
Date: 5/9/97 6:46 PM

Attachment file number 1, file name
Creation date: May 09, 1997 18:47:13
Document Type: ASCI, Document Class: MEMO
Author:
Comment: [APRSSIG:12373] 441.05 Mhz. as APRS UHF frequency....
Level: 1, Number : 1

On Fri, 9 May 1997, Bob Bruninga wrote:

> If you live in the southeast, here is a fun opportunity! If we can get
> them to change the APRS DIGI PATH to RELAY, then anyone with a TNC
> listeining on 441.05 can hook up the send side to a 2 meter radio on
> 145.79 and then EVERYONE on 145.79 will see it!

Not to sound ignorant, but why not just simply add 441.05 Mhz. as a
permanent part of APRS operations??? I mean, the ARRL has been CLAMOURING
at us to use the 70 cm. band, why not let APRS be the incentive in order to
do it???

I'm sure that if there's enough interest, we can get enough stations to
put up 2m/440 or HF/VHF/UHF gateways.

Just a thought.... :-)

73's for now my friends!! :-)

Patrick, KB0OXD

---

257. Setting Up JavAPRS....HELP!!!!!!!

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Fri, 09 May 1997 23:35:49 -0500
To: aprssig@tapr.org
Message-ID: <3373FB25.BD5@kcaprs.org>
Rendered body type: text/plain

I copied Bob's RADIO.HTML page. Put the JavAPRS class files into a
special javAPRS subdir in the regular webpages directory on our server.
Made a subdir of javAPRS called maps and put all the ".mp" files in it.

Page comes up but as soon as javAPRS starts to load I get the following
error message:

Error:java.lang.NoClassDefFound

I edited out all but the APPLET call line and the dosMap PARAM line and
still get the error....

Any help will be appreciated....Dr. Demise????

Calling Dr. Howard, Dr. Fine, Dr. Howard.....
Calling Dr. Howard, Dr. Fine, Dr. Howard.....
Calling Dr. Howard, Dr. Fine, Dr. Howard.....

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail: ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

258. Auto javAPRS data files????

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Fri, 09 May 1997 23:38:53 -0500
To: aprssig@tapr.org
Message-ID: <3373FBDD.357C@kcaprs.org>
Rendered body type: text/plain

A couple of weeks ago somebody posted a message to the SIG with
information on how to make an automatic updating file ftp to your server
site....Can anyone help me out here? I'm trying to set up a JavAPRS
site for Kansas City....

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail: ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

259. (Fwd) [APRSSIG:9315] Squished Screen Syndrome

From: N2ZRC@gnn.com Sat May 10 01:06:20 1997
Date: Mon, 3 Feb 1997 19:28:59 +0000
To: aprssig@tapr.org
Message-ID: <199705100606.BAA26071@tapr.org>
Rendered body type: text/plain

------- Forwarded Message Follows -------
Date: Thu, 30 Jan 1997 20:51:41 -0600 (CST)
Reply-to: aprssig@tapr.org
From: N2ZRC@gnn.com (Arte Booten)
To: aprssig@tapr.org
Subject: [APRSSIG:9315] Squished Screen Syndrome

Hi All,

     Just another chime-in to say that it also happens with my Toshiba Sat-
ellite T105CS. I tried the bit with expanding DOS screens and it doesn't
seem to work with APRS, Mk100k or Mapfix, but it DOES with STSPlus, CT and
VHF Contest programs that I run. Beats me as to why, but there you go. 73

        Mr. Arte Booten (N2ZRC @ gnn.com)
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
                Local APRS Mentor/Elmer
   (The Automatic Position Reporting System)
Cruise Missile Coordinates 4052.71N/07354.06W

.. Borg ship now on a heading for coordinates in
sector zero, zero, zero ...   ... They're headed to Earth ...

260. APRS In the UK

From: Dave.Ackrill@westwood45.powergen.co.uk
Date: 10 May 1997 08:14:33 +0100
To: ciemon.d@virgin.net (Non Receipt Notification Requested),
        aprssig@tapr.org (Non Receipt Notification Requested)
Message-ID: <970510071520Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>
Rendered body type: text/plain

Hi All,

     In response to the message about the difficulties of getting APRS up
     and running, I am still trying to find someone else which whom I can
     test my APRS system out with!

     To be honest, I would prefer that APRS signals are "direct", i.e., no
     digipeates, as I would like to be able to identify who I can hear
     direct at any time for propagation studies. So I guess I'm looking
     for others who don't mind that there is, as yet, no widespread
     digipeating of APRS.

     I'm writing a very short description for a local club newsletter to
     see if anyone will at least load up the program for an hour and run
     some simple tests to see if my system is working OK.

     Cheers all - de Dave (G0DJA)
     Wakefield, West Yorkshire

261. [APRSSIG:12377] UHF Frequency Thread -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Sat, 10 May 1997 07:02:52 -0500
To: n2czf@magg.net, aprssig@tapr.org
Message-ID: <s3741e83.037@mail.rkd.snds.com>
Rendered body type: text/plain

Hi Every one;
I think the main thing we need to remember, if every one is not on the
same frequency, is how do you tell travelers where you are? Last year
I spent a week and a half in upstate New York, and heard nary a soul on
APRS. Months later I learn they are on a different frequency.
That would be the beauty of a single frequency. Of course it does not
always work out the best way. 73 Paul WA9FFL

>>> "Rich Garcia" wrote

Well maybe we should look at it from another angle.
<SNIP>
Instead of doing nothing but spending time deciding what frequency to
use for a NATIONAL UHF APRS Channel just pick one out that works for
your area. Yes it would be GREAT to have one but chances are slim and

what are the chances of it NEEDING to be Nationwide ? Most APRS
users
<MORE SNIPPING HERE>
    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

262. Re: [APRSSIG:12383] Setting Up JavAPRS....HELP!!!!!!!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 10:17:19 -0400 (EDT)
To: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510101219.16700D-100000@arctic>
Rendered body type: text/plain

If you are using MY web page, notice the exact name of the class definition of the path to find the javaprs foulder. I dont have it in front of me, but it is the first definition in the class definition I think. Anyway, I used to have my javaprs folder named "javAPRS/" but the mixed case directory name was causing problems with my LAN. So on FRIDAY I changed all of my WEB pages to use the directory "javaprs/" and then copied everything from my "javAPRS" folder into my "javaprs" folder and now I dont have to worry about the mixed case.

It sounds like your WEB process cannot find that folder. COuld this be why?

On Fri, 9 May 1997, Jim Duncan, KU0G wrote:

> I copied Bob's RADIO.HTML page. Put the JavAPRS class files into a
> special javAPRS subdir in the regular webpages directory on our server.
> Made a subdir of javAPRS called maps and put all the ".mp" files in it.
>
> Page comes up but as soon as javAPRS starts to load I get the following
> error message:
>
> Error:java.lang.NoClassDefFound
>
> I edited out all but the APPLET call line and the dosMap PARAM line and
> still get the error....
>
> Any help will be appreciated....Dr. Demise????
>
> Calling Dr. Howard, Dr. Fine, Dr. Howard.....
> Calling Dr. Howard, Dr. Fine, Dr. Howard.....
> Calling Dr. Howard, Dr. Fine, Dr. Howard.....
>
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group
> Rogue Squadron Storm Chasers
> EMail: ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
> BorgNet: 1st of 10
>
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

263. APRS Pizza Eyeball, Sat. 17 May

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Sat, 10 May 1997 14:12:40 +0000
To: aprssig@tapr.org
Message-ID: <19970510141238.AAA25827@LOCALNAME>
Rendered body type: text/plain

To All,

A reminder to all who are going to be in Dayton next Saturday evening that we have reserved the meeting room at Marion's Pizza for the APRS Eyeball. We have the room from about 1730 hrs to whenever. Marion's is at 3443 N. Dixie Drive at the intersection with Wagnor Ford rd (abt 39 47.80N, 084 11.60W) on your APRS Dayton map. I'd like to see a few of us get there early to stake the place out. Another Hamvention group tried to put the move on our turf hihi. It's an AM SIG. Maybe we can share it with them and start doing APRS over AM????? (I digress).

Anyway some requests came in for a talk-in freq. I am not a Daytonian and don't get over to that side of town much so I'll be as lost as some of you. Any native Dayton folks want to work this?

Sid NH7C indicated he was planning some flyers to be distributed at the
Hamvention to show the way to Marion's. If his sked prevents him from
getting it done I'll do it. Any suggestions on which booth/s we can place
them at for all of you? Paccom?

Javaprs... This as most of you know was/is being demo'd on Bob B's web page.
Right now it's something of a manual effort at both ends. It's availability
during the hamvention is not a sure thing from my vantage point. I know
it's doable but we're running out of time.

Any questions let me know.

Bob WB8CXN

264. re: [APRSSIG:12387] UHF Frequency Thread -Reply

From: Earl Needham <needhame@3lefties.com>
Date: Sat, 10 May 1997 08:18:52 -0700
To: aprssig@tapr.org
Message-ID: <BMSMTP8632772724needhame@server.3lefties.com>
Rendered body type: text/plain

> From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>, on 5/10/97 8:05 AM:
> Hi Every one;
> I think the main thing we need to remember, if every one is not on the
> same frequency, is how do you tell travelers where you are?

        I've (occasionally) crossed a state line or come to a large city while
driving cross-country and seen one of the green "info" signs on the interstate
telling about repeaters, etc. The last time I saw a sign like this was when
approaching Alamogordo from the east. The sign was explaining the power limits
in that area for 450 MHz. Guess the military uses RADAR near that frequency in
that area, or something.
        Why don't we look into such signs for areas where the network is
well-developed and people travel through?

Earl Needham, KD5XB
Clovis, NM
Wood Badge at Philmont! http://www.geocities.com/Yosemite/7582/
KD5XB@AMSAT.ORG
Phi Mu Alpha Sinfonia, Pi Chi '76

> >>> "Rich Garcia" wrote
>
> Well maybe we should look at it from another angle.
> <SNIP>
> Instead of doing nothing but spending time deciding what frequency to
> use for a NATIONAL UHF APRS Channel just pick one out that works for
> your area. Yes it would be GREAT to have one but chances are slim and

265. Re: [APRSSIG:12386] APRS In the UK

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 10:26:00 -0400 (EDT)
To: Dave.Ackrill@westwood45.powergen.co.uk
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510101929.16700E-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997 Dave.Ackrill@westwood45.powergen.co.uk wrote:

>   and running, I am still trying to find someone else which whom I can
>   test my APRS system out with!
>   Cheers all - de Dave (G0DJA)
>   Wakefield, West Yorkshire UK

APRSdos REPLY/COMMENT: To ease them into it, simply have them use any
terminal program and any TNC. Tell them to set their UNPROTO path to
UNPROTO FM19DX WHere FM19DX is their GRIDSQUARE.... (obviously thats
mine)

THen all they have to do is go to converse mode and type]$[and hit
carriage return. They will appear on your map! Let them have fun typing
any other character in place of the $ in the]$[format and their symbol
on the map will change to others of the several hundred APRS symbols
avaialable..

The only problem is that these days most packet operators dont understand
UNPROTO, hi hi

Reply mail addr: wb4apr@amsat.org

US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

266. Re: [APRSSIG:12387] UHF Frequency Thread -Reply

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 10:35:43 -0400 (EDT)
To: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510102646.16700F-100000@arctic>
Rendered body type: text/plain

Now with the APRS-MIC-ENCODER and the mixing of POSITION with VOICE. I think we can safely encourage a DEFAULT APRS UHF SIMPLEX VOICE FREQUENCY of 445.925. FOR APRS MOBILE SIMPLEX VOICE OPERATIONS.

With the Mic-Encoder you can just leave your UHF rig sitting on 445.925 and you will be monitoring the channel for VOICE QSO's from anyone you "see" on the frequency... I know that once I installed my Mic-E in my car, I removed all the other packet junk, since now my dualband voice radio can do both...

IT IS A VOICE RADIO. In fact, we are going to need an APRS VOICE CALLING channel after we all get run off all of the voice repeaters!

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

267. X1J APRS nodes.

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 10:51:37 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510104350.16700H-100000@arctic>
Rendered body type: text/plain

N4QEA finally helped me figure out why his X1J node always fades to gray. Now, that I understand the problem, Ill fix it after dayton...

X1J nodes do not have a BText, but you can place an APRS POSIT in their ID string. Problem is that APRSdos ignores all packets to the address of "ID" after the first. APRSdos accepts the first packet it hears to "ID" and places that on the STATUS page under the assumption that an ID packet is as good as a STATUS packet if that is all that it has heard.

Once APRS has heard a STATUS packet from any station (and a STATUS packet is defined to be anything OTHER than a POSIT, or a message) then it will NOT overwrite that STATUS with future ID packets.

So if you use an X1J node for APRS (I dont know why you would since PacComm has some excellent APRS DIGI stuff in their TINY-@ EPROMS) at least now you know why it may be fading to gray. Look for PacComms new EPROMS beiing introduced at Dayton!

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

268. From the UHF Frequency Thread

From: John Langtry <ve3nec@peel.com>
Date: Sat, 10 May 1997 10:50:26 -0400
To: PEPLASTERS@mail.rkd.snds.com
Cc: aprssig@tapr.org
Message-ID: <33748B32.63F4@peel.com>
Rendered body type: text/plain

Hi Paul !

> Last year I spent a week and a half in upstate New York,
> and heard nary a soul on APRS.
> Months later I learn they are on a different frequency.

You bring up a good point, and now that the weather is getting a little better, it's time to remind everyone that when you come to Canada, that APRS is on 144.390. Often American cities that are close to boarder are also on 144.39 so as to provide network coverage.

vy 73 de John VE3NEC
(ve3nec@peel.com)

269. Re: [APRSSIG:12392] Re: UHF Frequency Thread -Reply

From: Steve Dimse <sdimse@bridge.net>
Date: Sat, 10 May 97 11:01:59 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705101501.LAA21837@bridge.net>
Rendered body type: text/plain

On 5/10/97 10:39 AM Bob Bruninga (bruninga@nadn.navy.mil) wrote:

>In fact, we are going to need an APRS VOICE CALLING
>channel after we all get run off all of the voice repeaters!
>
Why not just use the standard calling frequencies? I monitor the 2 meter simplex calling frequency while on the road, and hear very little traffic. I really don't see a need to move to another frequency...but of course don't automatically beacon on the calling channel!

Steve K4HG

270. Re: UHF Frequency Thread -Reply

From: joefoor@digitalexp.com (Foor, Joe)
Date: Sat, 10 May 1997 10:42:05 -0500
To: aprssig@tapr.org
Message-ID: <3374974D.1F1A@digitalexp.com>
Rendered body type: text/plain

Paul Plasters wrote:
>
> Hi Every one;
> I think the main thing we need to remember, if every one is not on the
> same frequency, is how do you tell travelers where you are?

Actually, as problems go, this one is not a big deal. With our map displays, it should be a very simple thing to add a box and label to the USA.map, or whichever map is appropriate for your country, with the local 2M frequency, if it is not 145.790. Then post the 6M/70cM/whatever local freqs as an LTP text line in a local digi. When the traveler calls up the USA.map, he would see the standard freq for the area and a few minutes after he got on freq on 2M, he would see the announcement telling him what other freqs were being used locally for APRS.

Last year, I saw traffic on this mailing list, where one person was assembling an area listing, to define what freqs were being used for APRS. I don't remember who it was, but I expect whoever it was could easily define the lat/lon points for the area boxes and freqs for the labels. Then the data could quickly be added to a few of the basic distribution maps, with mapfix. If Bob is too busy to take on that last step, I'll be glad to do it.

regards,
Joe kf4dys

271. Re: [APRSSIG:12373] 441.05 Mhz. as APRS UHF frequency....

From: Joe Tomasone <jtomason@li.net>
Date: Sat, 10 May 1997 11:52:51 -0400
To: patcook@dimensional.com
Cc: aprssig@tapr.org
Message-ID: <2.2.32.19970510155251.0095de24@pophost.li.net>
Rendered body type: text/plain

At 05:27 PM 5/9/97 -0500, you wrote:

>Not to sound ignorant, but why not just simply add 441.05 Mhz. as a
>permanent part of APRS operations??? I mean, the ARRL has been CLAMOURING
>at us to use the 70 cm. band, why not let APRS be the incentive in order
>to do it???

Here in the NYC area, both 441.000 and 441.010 are quite busy with packet traffic, so that wouldn't work here.

If we're going to make a go of this, let's try to find a 440 frequency that is empty around as much of the country as possible. Any volunteers to crunch the numbers?

73 de Joe, AB2M

```
--

** Joe Tomasone - Amateur Radio Callsign AB2M ************
*                                                         *
*  DIGITAL RADIO OFFICER, Suffolk County, NY ARES/RACES   *
*                                                         *
*  INTERNET: jtomason@li.net or ab2m@callsign.net         *
*  HOMEPAGE: http://www.li.net/~jtomason                  *
*                                                         *
*                                                         *
*       "God is real, unless declared integer"            *
*                                                         *
***********************************************************
```

272. Re: Squished Screen Syndrome

From: Arte Booten <n2zrc@webspan.net>
Date: Sat, 10 May 1997 09:04:44 -0400
To: aprssig@tapr.org
Message-ID: <3374726C.6291@webspan.net>
Rendered body type: text/plain

Hi all,

theco-op@home.winc.com forwarded:

>------- Forwarded Message Follows -------
>Date: Thu, 30 Jan 1997 20:51:41 -0600 (CST)
>Reply-to: aprssig@tapr.org
>From: N2ZRC@gnn.com (Arte Booten)
>To: aprssig@tapr.org
>Subject: [APRSSIG:9315] Squished Screen Syndrome
>
>Hi All,
>
>   Just another chime-in to say that it also happens with my Toshiba
>Satellite T105CS. I tried the bit with expanding DOS screens and it
>doesn't seem to work with APRS, Mk100k or Mapfix, but it DOES with
>STSPlus, CT and VHF Contest programs that I run. Beats me as to why,
>but there you go. 73

     Hmmm. This "theco-op@home.winc.com" seems to be caught in some
kind of temporal anomaly. As you can see, I sent this MONTHS ago! 73
--
                __   Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
============================   Local APRS Elmer
  ___'---..._______...---'___   (Automatic Position Reporting System)
 (___)   _!__!_   (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
     `````.__'--'__.'````Cruise Missile Coordinates 4052.71N/07354.06W
           ````
... But those coordinates are deep within the planetoid  ...

## 273. Re: [APRSSIG:12381] Re: MIC-Encoders

From: Arte Booten <n2zrc@webspan.net>
Date: Sat, 10 May 1997 08:46:55 -0400
To: aprssig@tapr.org
Message-ID: <33746E3F.2342@webspan.net>
Rendered body type: text/plain

Hi all,

Wes Johnston wrote:

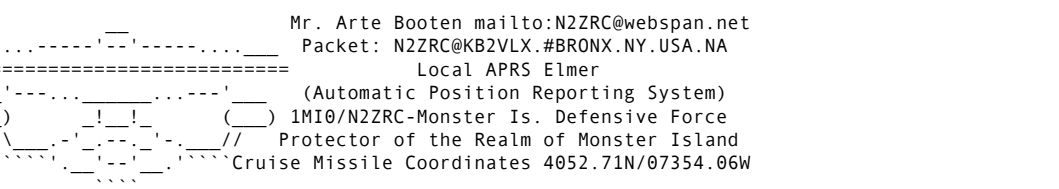
>Any aprs user can make any repeater mic e compatible by simply monito-
>ring the output, and TXing packets to the aprs network.  This can be
>done by setting your TX offset to make a "split" that will end up TX-
>ing on 145.79.

     I don't know about Icoms, but all of my Yaesu gear allows me to use
any split I want, including cross-band splits.  Program in the output,
then save it and program in the input, using the PTT & FM buttons.

>... this is only going to anger the anti-packet racket on voice chan-
>nels crowd ...

     Which is why I wouldn't even THINK about setting up such a setup
unless I had full approval of (at least) the officers of the club.  This

is the situation we have on the 147.06 repeater in Valhalla, NY.  The
TNC & "APRS Radio" is at somebody's house, monitoring the repeater.  73

--

Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W
... But those coordinates are deep within the planetoid  ...

## 274. Re: [APRSSIG:12395] Re: UHF Frequency Thread -Reply

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 13:25:06 -0400 (EDT)
To: Steve Dimse <sdimse@bridge.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510131844.15701C-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Steve Dimse wrote:

> >Bob Said:  In fact, we are going to need an APRS VOICE CALLING
> >channel after we all get run off all of the voice repeaters!
> >
> Why not just use the standard calling frequencies? I monitor the 2 meter
> simplex calling frequency while on the road, and hear very little
> traffic. I really don't see a need to move to another frequency...

APRSdos REPLY/COMMENT:  I think the thread was looking for a common UHF
frequency....  and 445.925 is one of the standard UHF frequencies in many
areas.  On 2 meters, when my rig isn't doing anything in particular, it
will be on 145.79 in mic-E-AUTO mode probably...  Or if out of any APRS
areas, may be on 146.52.  I see no reason *not* to have the MIC-E
activated for auto at about a 5 minute rate especially when monitoring
a simplex channel while mobilie... Keeps you from having to key up and
call CQ every 5 minutes so as not to miss someone comming the other way...


Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 275. Re: [APRSSIG:12396] Re: UHF Frequency Thread -Reply

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 13:43:51 -0400 (EDT)
To: "Foor, Joe" <joefoor@digitalexp.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510133036.15701E-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Foor, Joe wrote about how to convey what FREQS are
used by APRS in different areas of the country.

> displays, it should be a very simple thing to add a box and label to the
> USA.map, or whichever map is appropriate for your country, with the
> local 2M frequency, if it is not 145.790.
>
> I'll be glad to do it.   regards,  Joe kf4dys

APRSdos REPLY/COMMENT:  This has arelady been done and for the last 4
years has been included in every copy of APRSdos.  Just FILE-REPLAY the
FREQS.BK file.  It has had various names over he years such as FREQS-USA,
etc.
        BUT it has not been well updated of late because NO ONE ever sends
me any updates.  Now that you have volunteered, I would ask that you take
the file and re-format it to be a .POS file...  AND with a little
creativity, you can make FAKE PHG circles so that one entry will cover
large regions of the country without having to have individual entries for
every DIGI in the country.
    Notice that when you do a MAPS-OVERLAY-DIGIS that APRSdos not only
plots the posits but AUTOMATICALLY also plots the PHG circles.  This is
unique to the DIGIS file and I will make it ALSO work in the NEXT release
for a file called FREQS.POS.  You can begin building this file and test if
by doing a MAPS-OVERLAY-OTHER-FREQS.POS and then doing the ADD selection
so that they get loaded into your P-LIST.  THen do the MAPS-PLOTS-POWER so

you can see how it looks WITH the circels.

What I envision is just enough entries in the FREQS.POS file with suitable
PHG circles so that it is clear what areas are on what FREQS.  Have fun!
If you will do this, then I will make APRSdos automatically draw the fake
PHG circles for the FREQS.POS file in my next version...

 Reply mail addr: wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 276. MIC-E and Voice Freqs....

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Sat, 10 May 1997 12:51:23 -0500
To: aprssig@tapr.org
Message-ID: <3374B59B.42C0@kcaprs.org>
Rendered body type: text/plain

Hey, folks, don't forget that the MIC-E is the ultimate stand-alone
tracker when operating in the AUTO mode.  Just put the radio on 145.79
(or 144.34 in Canada, eh!) and you're set.  For voice on 145.79 you
COULD do this:

1)  Sub-audible tone squelch for voice.
2)  Set all TNCs on network to use software carrier detect (CD SOFTWARE
in Kantronics units).
3)  Just operate!  TNC's will ignore anything that isn't data.  Voice
radios will hear VERY little packet QRM with sub-audible tone required
to open their squelch!

Kind of kludgy, but workable...

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

## 277. Re: [APRSSIG:12386] APRS In the UK

From: John Clifford <john@jcliff.demon.co.uk>
Date: Sat, 10 May 1997 09:38:23 +0100
To: aprssig@tapr.org
Message-ID: <cncCPCA$PDdzEwNo@jcliff.demon.co.uk>
Rendered body type: text/plain

Dave

I have WinAPRS up and running.  I also have a standalone tracker.  There
are quite a few of us over here in Cheshire.  We mainly use APRS for
Raynet activities.

I know we are are on the wrong side of the Pennines but I sometimes hear
well sited stations from your area.  I can also use 80m.

Let me know if you want to try anything.

73 John G4BVE


In article <9705100715202*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/A
DMD=CWMAIL/C=GB@MHS>, Dave.Ackrill@westwood45.powergen.co.uk writes
>
>     Hi All,
>
>     In response to the message about the difficulties of getting APRS up
>     and running, I am still trying to find someone else which whom I can
>     test my APRS system out with!
>
snip -some text deleted
>
>     Cheers all - de Dave (G0DJA)
>     Wakefield, West Yorkshire
>

--

John Clifford
Northwich, Cheshire
England Email: john@jcliff.demon.co.uk

## 278. Re: [APRSSIG:12400] Re: UHF Frequency Thread -Reply

From: Steve Dimse <sdimse@bridge.net>
Date: Sat, 10 May 97 14:05:04 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705101805.OAA11054@bridge.net>
Rendered body type: text/plain

>> >Bob Said: In fact, we are going to need an APRS VOICE CALLING
>> >channel after we all get run off all of the voice repeaters!
>> >
>> Why not just use the standard calling frequencies? I monitor the 2 meter
>> simplex calling frequency while on the road, and hear very little
>> traffic. I really don't see a need to move to another frequency...
>
>APRSdos REPLY/COMMENT: I think the thread was looking for a common UHF
>frequency.... and 445.925 is one of the standard UHF frequencies in many
>areas. On 2 meters, when my rig isn't doing anything in particular, it
>will be on 145.79 in mic-E-AUTO mode probably... Or if out of any APRS
>areas, may be on 146.52. I see no reason *not* to have the MIC-E
>activated for auto at about a 5 minute rate especially when monitoring
>a simplex channel while mobilie... Keeps you from having to key up and
>call CQ every 5 minutes so as not to miss someone comming the other way...
>
I was just responding to your comment for the APRS voice channel, not the
quest for a 440 data channel.

I forget everyone doesn't have 5 radios in their vehicles ;-)

I also monitor 446.000, the 440 calling freq, on the road during my long
trips; I actually have made more QSOs there than on 146.550. I still
think that staying on the designated calling freqencies is good, and for
a dual band radio where one side is tuned to an APRS or repeater freq
446.000 would be my choice. As to beacons, I suppose that as long as no
one gets mad it would be OK, but like you said, the mic-e will be on
145.79 most of the time.

Steve K4HG

## 279. Re: APRS In the UK

From: kd4emi@juno.com
Date: Sat, 10 May 1997 14:29:24 -0400
To: john@jcliff.demon.co.uk
Cc: aprssig@tapr.org
Message-ID: <19970510.142924.3846.1.KD4EMI@juno.com>
Rendered body type: text/plain

Are any of you folks on HF, Ive yet to see an stations across the pond
come up on the
display, and have my map of England ready to go !

Mike
KD4EMI@JUNO.COM

## 280. City of APRS Silence

From: wa4ikq@nevets.oau.org (Geoffrey Dick)
Date: Sat, 10 May 1997 14:17:31 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <m0wQGi3-000ChAC@nevets.oau.org>
Rendered body type: text/plain

We just returned from a trip up north, and noted in my travels a great
APRS silence in the big city of Pittsburgh, Pa. on 145.79 MHz. Sitting
in a motel room there for 3 nights, I spoke to several hams in the area
who indicated that their packet cluster station was also out of commission.

Have the members of this listserver noted any other major metropolitan areas
of the U.S. that are in this condition?

Geoffrey Dick
wa4ikq@nevets.oau.org

## 281. Looking for a "special" radio

From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Sat, 10 May 1997 13:55:45 -0500

To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970510135545.006bb794@m1.sprynet.com>
Rendered body type: text/plain

With Dayton comming up, my Travelers Cheques burning a hole in my pocket, I
was thinking that some should design a radio that not only supports
standard dual band operations (145/440) but that you can plug a TNC into
and run an APRS tracker at the same time with no operator intervention.

Now, I'm not too bright a person so someone else has probably already
thought of this idea and it is probably already on the market.  Right?

What's it called?

Dave
WB0WNX-7 Mojave Airmobile Sioux City to Dayton

## 282. 440 Freq

From: Clarke_Tom%PAX6@mr.nawcad.navy.mil
Date: Sat, 10 May 1997 11:10:00 -0500 (EST)
To: aprssig@tapr.org
Message-ID: <PAX6/A0027543/P04/PAXMB1*@MHS>
Rendered body type: text/plain

Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor    sez:

Date: Fri, 09 May 1997 19:36:29 -0500
From: rwf <rwf@mindspring.com>

Looks like this ole 440 frequency issue is starting up again!

>>Yep it sure is!<<

The 441.05 frequency is a packet simplex frequency in these states and
(unless it is being used already for some sort of backbone or other use)
would work for APRS)

SERA 70 cm NBFM Digital/Packet Simplex

440.9125   440.9250   440.9375   440.9500   440.9625   440.9750
440.9875   441.0000   441.0125   441.0250   441.0375   441.0500
441.0625   441.0750   441.0875   441.1000   441.1125   441.1250
441.1375   441.1500   441.1625   441.1750

441.000 is the National FM Digital Simplex Calling Frequency

>>  Here in the mid Atlantic (DC area) we have a repeater link on 441.1,
which
happens to be a Repeater output frequency in NYC!  When the duct is
open in the mornings we get lots of NY chatter on the local two meter
machine!  We tried a 420 frequency, but found that interference from an
AEW aircraft parked 200 yards away blew the link away! (The repeater
is on an airport)  They have several channels in the lower part of the
420-450 band and still radiate a potent signal from the dummy load
instead of into the frisbee antenna.

T-Marc is trying to sort it out, but the problem of adjacent areas having
different coordination plans will continue to haunt us.  The 441.1 freq is
left over from a previous coordination scheme, so we will QSY soon.<<

Tom W4OKW

## 283. Deleware Rocket Success!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 15:40:31 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510153747.21218A-100000@arctic>
Rendered body type: text/plain

Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
Balloon.   I just saw it by chance while playing with maps.  But I forgot
to have LOG on so I have no track hisotry but several posits due to som
callsign glitches.  It appeard to be headed east out to sea at 60 MPh.

See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 284. help

From: kd4emi@juno.com (Michael A Kantor)
Date: Sat, 10 May 1997 15:53:24 -0400
To: aprssig@tapr.org
Message-ID: <19970510.155531.12334.0.kd4emi@juno.com>
Rendered body type: text/plain

I  know this isnt HAM related but Im sure one of you can help.

Just got new system running win95 and trying to make (I GUESS) a shortcut
for my juno
account.
It comes up in the "PROGRAMS" written thingy but I want to have an icon
on my desktop.

Whenever I do it , it goes to the MY DESKTOP files icons, then when I try
to delete an icon, it deletes all the files associated with it.

Question
#1 How the H do delete an (extra) icon from the desktop without changing
all the files
(like win 3.1)

#2 what is the best way to just make a stupid shortcut

Sorry for the bandwith, but could use the help.
Mike
KD4EMI@JUNO.COM  (I HOPE)

## 285. Re: [APRSSIG:12406] City of APRS Silence

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 16:20:52 -0400 (EDT)
To: Geoffrey Dick <wa4ikq@nevets.oau.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510161939.21218D-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Geoffrey Dick wrote:

> We just returned from a trip up north, and noted in my travels a great
> APRS silence in the big city of Pittsburgh, Pa. on 145.79 MHz.  Sitting
> in a motel room there for 3 nights, I spoke to several hams in the area
> who indicated that their packet cluster station was also out of commission.

APRSdos REPLY/COMMENT: Philadelphia is surrounded by APRS, but I have
never seen anyone in the city...   Same with Wash DC and Baltimore.

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 286. Re: [APRSSIG:12406] City of APRS Silence

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 16:23:50 -0400 (EDT)
To: Geoffrey Dick <wa4ikq@nevets.oau.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510162122.21218E-100000@arctic>
Rendered body type: text/plain

ARGH!  FOot in mouth.  I missread the last message as PHILADELPHIA.  YES,
you are right about PITTSBURGH!  And it is an extremem inconvenience as we
east coast guys drive WEST to DAYTON.  THe black hole of W.PA sucks up
every packet for about 6 hours of the trip till we get to Ohio...

 On Sat,
10 May 1997, Geoffrey Dick wrote:

> We just returned from a trip up north, and noted in my travels a great
> APRS silence in the big city of Pittsburgh, Pa. on 145.79 MHz.  Sitting
> in a motel room there for 3 nights, I spoke to several hams in the area
> who indicated that their packet cluster station was also out of commission.
>
> Have the members of this listserver noted any other major metropolitan areas
> of the U.S. that are in this condition?
>
> Geoffrey Dick
> wa4ikq@nevets.oau.org
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 287. Re: [APRSSIG:12407] Looking for a "special" radio

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 10 May 1997 16:24:55 -0400 (EDT)
To: Dave Kaplan <fluidpwr@sprynet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970510162423.21218F-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Dave Kaplan wrote:

> With Dayton comming up, my Travelers Cheques burning a hole in my pocket, I
> was thinking that some should design a radio that not only supports
> standard dual band operations (145/440) but that you can plug a TNC into
> and run an APRS tracker at the same time with no operator intervention.

APRSdos REPLY/COMMENT: Its called the Mic-E and is being introduced by
TAPR at DAYTON!

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 288. Trailblazer Question

From: Gary Wells <gwells@nbn.net>
Date: Sat, 10 May 1997 17:16:10 -0400
To: aprssig@tapr.org
Message-ID: <3374E59A.1B7F@nbn.net>
Rendered body type: text/plain

Does anyone know if there is an initialization string that can be sent
to the Trailblazer that will turn it on?  I am using a Trailblazer as
the GPS unit in a stand alone tracker, but it must be turned on
separately after power is applied to the tracker assembly.  The KPC-3
will send a string to the GPS at power-up, if such a string exists.

Thanks,
--
Gary Wells N3HCP
gwells@nbn.net
http://users.nbn.net/~gwells/

## 289. Ham Conventions

From: "Bryan Fair" <brfair@flash.net>
Date: Sat, 10 May 1997 16:27:07 -0500
To: <aprssig@tapr.org>
Message-ID: <199705102121.QAA17413@endeavor.flash.net>
Rendered body type: text/plain

Does anyone know
if TAPR will Be at the ARLINGTON,TX HAM-COM selling the MIC-E units?
if Agrelo E. will beselling DFjr?
Or anyone else doing the same?

Bryan Fair / KC5CVX
kc5cvx@amsat.org
http://www.flash.net/~brfair

## 290. Re: [APRSSIG:12376] Re: 441.05 Mhz. as APRS UHF frequency....

From: rwf <rwf@mindspring.com>
Date: Sat, 10 May 1997 18:23:06 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970510175613.006e8fac@mindspring.com>
Rendered body type: text/plain

No (new) 439.25 APRS sanctioned here in SERA land, so it will be fine.
Most ATV is ncouraged to be crossband 1.2/420

At 07:36 PM 5/9/97 -0500, you wrote:
>441.050 used to be packet forwarding backbone here in Kansas City but

>was creating QRM to ATV operations and we moved everything up to 446.100
>vicinity.  You might reasonably expect similar problems nationwide...
>
>--
>73 de Jim, KU0G
>Chairman/Coordinator
>Kansas City APRS Working Group
>Rogue Squadron Storm Chasers
>EMail:  ku0g@kcaprs.org
>Webpage: http://www.kcaprs.org
>BorgNet: 1st of 10
>
>

## 291. Re: [APRSSIG:12409] Deleware Rocket Success!

From: rwf <rwf@mindspring.com>
Date: Sat, 10 May 1997 18:23:15 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970510182221.0070de00@mindspring.com>
Rendered body type: text/plain

Delaware Rockoon?  I'm confused.  Was there to be one up there, too?

If you are thinking of the Rockoon off the Coast of NC, you didn't see it
'cause:

It was postponed.
It goes at 6:15 AM Sunday  or Monday if wx is bad Sunday.

Bill Brown WB8ELK JUST called me on the repeater as he went thru Marietta GA.

I am updating his Web page at  http://fly.hiwaay.net/bbrown


At 02:42 PM 5/10/97 -0500, you wrote:
>Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
>Balloon.   I just saw it by chance while playing with maps.  But I forgot
>to have LOG on so I have no track hisotry but several posits due to som
>callsign glitches.  It appeard to be headed east out to sea at 60 MPh.
>
>See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
>GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html
>
>

## 292. Re: [APRSSIG:12402] MIC-E and Voice Freqs....

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 10 May 1997 17:44:09 -0500
To: aprssig@tapr.org
Message-ID: <3374FA39.6466@mindspring.com>
Rendered body type: text/plain

Jim Duncan, KU0G wrote:
>
> Hey, folks, don't forget that the MIC-E is the ultimate stand-alone
> tracker when operating in the AUTO mode.  Just put the radio on 145.79
> (or 144.34 in Canada, eh!) and you're set.  For voice on 145.79 you
> COULD do this:
>
> 1)  Sub-audible tone squelch for voice.
> 2)  Set all TNCs on network to use software carrier detect (CD SOFTWARE
> in Kantronics units).
> 3)  Just operate!  TNC's will ignore anything that isn't data.  Voice
> radios will hear VERY little packet QRM with sub-audible tone required
> to open their squelch!
>
> Kind of kludgy, but workable...
>
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group
> Rogue Squadron Storm Chasers
> EMail:  ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
> BorgNet: 1st of 10

O great start using 145.790 for voice now, now i have heard it all (Well
maybe not).

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 293. Re: [APRSSIG:12406] City of APRS Silence

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 10 May 1997 17:47:11 -0500
To: aprssig@tapr.org
Message-ID: <3374FAEF.14CB@mindspring.com>
Rendered body type: text/plain

Geoffrey Dick wrote:
>
> Have the members of this listserver noted any other major metropolitan areas
> of the U.S. that are in this condition?
>
> Geoffrey Dick
> wa4ikq@nevets.oau.org

Yes try the whole state of MS

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 294. Balloon

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 10 May 1997 18:01:57 -0500
To: aprssig@tapr.org
Message-ID: <3374FE65.7E08@mindspring.com>
Rendered body type: text/plain

The correct address for Bil Brown WB4ELK's web page is of course
http://fly.hiwaay.net/~bbrown/
Ralph had a little misprint in the address.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 295. Re: [APRSSIG:12409] Deleware Rocket Success!

From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
Date: Sat, 10 May 1997 21:05:56 -0400 (EDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SV4.3.95.970510210055.11324C-100000@outland.dtcc.edu>
Rendered body type: text/plain

The Delaware Rocket Laucnh Balloon package was a roaring success.  We
launched about 40 miles from Lewes Delaware and acquired GPS and ATV
shortly there after.  The package was traveling at better than 90 mph or
knots at it peak speed. Appeared to be about 30 to 40 miles offshore.
Last know GPS fix was given to Coast Guard but they probably will not
find  it.  We have caputered the track.  If anyone else captured the track
would like to have it as well.

Bob, I was not getting altitude data displayed.  Anyone suggestion on what
I should look for?  The Rocket Launch itself was scrubbed because of a
failture of the launch igniter.  Rescheduled for 11:00 am tomorrow May 11.

Sam


On Sat, 10 May 1997, Bob Bruninga wrote:

> Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
> Balloon.   I just saw it by chance while playing with maps.  But I forgot
> to have LOG on so I have no track hisotry but several posits due to som
> callsign glitches.  It appeard to be headed east out to sea at 60 MPh.
>
> See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
> GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html
>
>

```
*************************************************************
Dr. Sam Guccione        Delaware Technical & Community College
Chair Engineering       Terry Campus
Technologies/Physics    1832 North duPont Highway
302-741-2802            Dover, DE  19901
ARS K3BY                302-741-2838 Fax
*************************************************************
         Delaware Rocket Launch Technical Home Page
           http://www.dtel.terry.dtcc.edu/~rocket
*************************************************************
```

## 296. Re: [APRSSIG:12418] Re: MIC-E and Voice Freqs....

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sat, 10 May 1997 18:46:48 -0700
To: wa8inz@mindspring.com, aprssig@tapr.org
Message-ID: <3.0.32.19970510184645.00693284@mailhost.primenet.com>
Rendered body type: text/plain

At 05:50 PM 5/10/97 -0500, William Nolle wrote:

>O great start using 145.790 for voice now, now i have heard it all (Well
>maybe not).
>

Well maybe this isn't the best time to respond...since we're in the middle
of a hallacious dust storm in Phoenix right now...lotsa wind and thunder...

Anyway, I meant to bring this up as it's kinda humorous.

A few weeks back I was heading out to Waddell, where a friend of mine has a
horse ranch (and a new baby human).
About 4 miles east of Luke AFB, I see my radio's S-meter doing funny things
on 145.79, so I turned up the volume.

Then I hear this voice amongst the packets... "Alright guys knock it off!
I've had enough of this nonsense!..."

This person continued to talk to our TNC's, apparently not realizing that
probably no one was listening to him.
He got angrier and angrier, and then started intentionally QRM'ing 145.79
by hitting his DTMF keypad.  At this point I picked up my mic, ID'ed and
started to explain that this was an ARCA coordinated APRS frequency and if
he had a problem to contact Dan Meredith, N7MRP, state digital coordinator.
 I then asked for his call.  No response.  He continued to QRM after
listening to me.  I then informed him that I was a member of ARA and we had
doppler and LETT TX-ID capability.  The QRM stopped dead...  He never
ID'ed.  And I haven't heard him since.

Sheesh!  You'd think the guy never heard of packet...

Mark
KC7BXS

## 297. Re: Mic-E at Hamcomm

From: "Jim Neely" <jneely@techie.com>
Date: Sat, 10 May 97 21:19:34
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <199705110219.VAA04584@matrix.eden.com>
Rendered body type: text/plain

Check the TPRS booth in the commercial display area, next to Paccom.  If there are Mic-Es available,
TPRS will probably have some.

jn

On Sat, 10 May 1997 20:14:57 -0500 (CDT), aprssig@tapr.org wrote:

>Date: Sat, 10 May 1997 16:27:07 -0500
>From: "Bryan Fair" <brfair@flash.net>
>To: <aprssig@tapr.org>
>Subject: Ham Conventions
>Message-ID: <199705102121.QAA17413@endeavor.flash.net>
>
>Does anyone know
>if TAPR will Be at the ARLINGTON,TX HAM-COM selling the MIC-E units?
>if Agrelo E. will beselling DFjr?
>Or anyone else doing the same?
>
>Bryan Fair / KC5CVX

>kc5cvx@amsat.org
>http://www.flash.net/~brfair
Jim Neely
jneely@techie.com       WA5LHS@TAPR.ORG

## 298. Digi Freqs (was: UHF Frequency Thread -Reply)

From: joefoor@digitalexp.com (Foor, Joe)
Date: Sat, 10 May 1997 21:18:54 -0500
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <33752C8E.6E95@digitalexp.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> On Sat, 10 May 1997, Foor, Joe wrote about how to convey what FREQS
> are used by APRS in different areas of the country.
>
> > displays, it should be a very simple thing to add a box and label to
> > the USA.map, or whichever map is appropriate for your country, with
> > the local 2M frequency, if it is not 145.790.
> >
> > I'll be glad to do it.   regards,  Joe kf4dys
>
> APRSdos REPLY/COMMENT:  This has arelady been done and for the last 4
> years has been included in every copy of APRSdos.  Just FILE-REPLAY
> the FREQS.BK file.  It has had various names over he years such as
> FREQS-USA, etc.
>         BUT it has not been well updated of late because NO ONE ever
> sends me any updates.  Now that you have volunteered, I would ask that
> you take the file and re-format it to be a .POS file...  AND with a
> little creativity, you can make FAKE PHG circles so that one entry
> will cover large regions of the country without having to have
> individual entries for every DIGI in the country.

OK... I have looked at a POS file, and it will be just as easy to update
the freqs.bk file to a POS file.

The more input I get, the more accurate it will be. So, if everyone on
the sig would take two minutes to cut & paste the digis position packets
from their current backup.bk file, into a message to me, with the
frequency they were using, I'll get on it.

It is most critical that I hear from everyone, who hears an APRS digi
that is on some frequency other than 145.790.

Send the messages to me at;

    joefoor@digitalexp.com

regards,
Joe kf4dys

## 299. HELP 791

From: foga@foothill.net (DAN  FOGARD)
Date: Sat, 10 May 1997 19:56:15 -0700 (PDT)
To: aprssig@tapr.org (WHOEVER)
Message-ID: <199705110256.TAA27536@ns1.foothill.net>
Rendered body type: text/plain

PROBLEM:  DOWNLOADED 791 FROM TAPR

WORKED FINE UNTIL I TRIED TO CHANGE MAPLIST TO .CA

FROM THEN ON..... IT COMES UP WITH AN ERROR CANT FIND MAPS DID U USE -d

ON UNZIP .....YES I DID... CHANGED TO ANOTHER DOWNLOAD .....DID THE SAME THING

COULD I HAVE A BAD PKUNZIP OR IS THERE A BUG IN 791

DAN W6PRL

## 300. SA4

From: Wes Johnston <kd4rdb@usa.net>
Date: Sat, 10 May 1997 23:19:06 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970510231751.006cdf98@coca.net>
Rendered body type: text/plain

I noticed a little glitch in SA4 today.  My laptop locked up while running
it, and when I booted up again, I got a bad mapfile error, and map out of
synch error.  The solution was to simply replace the file in the main
Street Atlas directory (ie c:\atlas4) startup.sa4 with a non corrupt
version.  Without this file, Street Atlas is useless.  Make a copy of the
startup.sa4 file, and store it safely away on your HDD in another place so
you don't end up with out a map like I did today.  Sure would be nice if
Delorme would automatically make this file a default value when it's
missing or corrupt.
73's de Wes
http://www.premierweb.net/users/kd4rdb
mailto:kd4rdb@usa.net
mailto:kd4rdb@on1kul-10.ampr.org

## 301. Re: [APRSSIG:12374] Re: 441.05 Mhz. as APRS UHF frequency....

From: Patrick Cook <patcook@dimensional.com>
Date: Sat, 10 May 1997 21:45:40 -0600 (MDT)
To: Steve Lewis N8TFD <lewse@email.uc.edu>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970510213944.19614A-100000@nova.dimensional.com>
Rendered body type: text/plain

On Fri, 9 May 1997, Steve Lewis N8TFD wrote:

> Don't know much about your area of 0-land...but in Toledo, Dayton,
> Cincinnati, and points in between there is 1200-baud and 9600-baud
> activity on that channel.  You will find packet on 441.025, and 441.075
> in the same areas.  This activity is generally forwarding and
> node-stuff, not APRS.

Well, here in the Denver Area, there are TWO AX.25 BBS' on the air on
145.79 Mhz. (W0TX and WR0S), so I don't really see the difference.

Besides, most of the packet stuff is usually around 446.5 and above, but
we don't *neccessarily* have to use 441.05 Mhz.  I'm sure something can be
worked out.  :-)

> Hate to be a wet blanket but thought I would send a heads-up.

Not a problem at all.  Afterall, isn't that what this list is for???  :-)

> > Just a thought....  :-)
> >
> > 73's for now my friends!!  :-)
> >
> > Patrick, KB0OXD

## 302. Need KPC-3/Tripmate Clarification

From: "James P. Gill" <jimgill@probe.net>
Date: Sat, 10 May 1997 22:53:01 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <3375429D.FA763941@probe.net>
Rendered body type: text/plain

I just received my KPC-3 Plus to use with a Tripmate as an autotracker.
I have searched the sig and found many messages showing many ways to
hook the two together for self init, autotrack, etc.  An old message
from Bill Kearns says:

>                 MODIFICATIONS TO KPC-3
> Install a 4.7 K resistor at position R-48 to make DSR active,
> (see parts layout for location of R48). It is at the rear, on
> the board, between the DB9 and DB25 connectors.

I am totally unable to find either R-48 or an empty spot for it on the
KPC-3 board or the schematic.  Could it be R-8, which is a 10k resistor
in the same general area of the board as described?  It would roughly be
around grid B1 if you have the Kantronics schematic packed in the KPC-3
Plus box.  I might also assume that since Bill's message is somewhat
old, it might apply only to the KPC-3, not the updated KPC-3 _Plus_
128k.

Alternatively, is there a way to put a resistor or other circuitry
(besides the pin 2&3 jumper) inside the connector hood so I don't have
to mod the inside of the TNC?  I want to easily raise the DTR in the
Tripmate without messing around inside the TNC...

Thanks,

Jim Gill    N0RMO
mailto:jimgill@probe.net
http://www.probe.net/~jimgill

## 303. Re: [APRSSIG:12400] Re: UHF Frequency Thread -Reply

From: Patrick Cook <patcook@dimensional.com>
Date: Sat, 10 May 1997 22:16:34 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970510221123.19614B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sat, 10 May 1997, Bob Bruninga wrote:

> On Sat, 10 May 1997, Steve Dimse wrote:
>
> > >Bob Said:  In fact, we are going to need an APRS VOICE CALLING
> > >channel after we all get run off all of the voice repeaters!
> > >
> > Why not just use the standard calling frequencies? I monitor the 2 meter
> > simplex calling frequency while on the road, and hear very little
> > traffic. I really don't see a need to move to another frequency...
>
> APRSdos REPLY/COMMENT:  I think the thread was looking for a common UHF
> frequency....  and 445.925 is one of the standard UHF frequencies in many
> areas.  On 2 meters, when my rig isn't doing anything in particular, it
> will be on 145.79 in mic-E-AUTO mode probably...  Or if out of any APRS
> areas, may be on 146.52.  I see no reason *not* to have the MIC-E
> activated for auto at about a 5 minute rate especially when monitoring
> a simplex channel while mobilie... Keeps you from having to key up and
> call CQ every 5 minutes so as not to miss someone comming the other way...

Except for one *small* problem, Bob.  If someone is monitoring 146.52 for
whatever reason, all he's going to hear is a packet radio-like "Brrraaapp!!",
isn't he???

Just a thought....  :-)

73's for now my friends!!

Patrick, KB0OXD

P.S.:  I plan to get my TNC and new computer (a 66 Mhz. Pentium) next month.
       If all goes as planned, I should be up on APRS then.  I'll be getting
       the APRS version of the MFJ Data Radio.  Look for my post announcing
       my getting on APRS and (of course :)) look for me on the air.  :-)

## 304. Re: [APRSSIG:12417] Re: Deleware Rocket Success!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 00:29:45 -0400 (EDT)
To: rwf <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511002612.3510E-100000@arctic>
Rendered body type: text/plain

I still cannot find out what UNPROTO the NC ROCOON will be using so I can
tell people how to set up for digipeating thepackets over to HF or
145.79..  DO you know?  Ideally the path should be  APRS VIA WIDE,WIDE.

THat would be BAD if ballon was on 145.79, but it is on UHF.  So the FIRST
WIDE is for anyone with a TNC to act as a crossband digi to a45.79.  Then
the second WIDE is so that once it is on 79, it hits at least ON WIDE...

Or maybe UNPROTO APRS VIA GATE,WIDE.  THis way a KAM could get the packets
to HF and the crossband VHF TNC could use the alias of GATE for the
duration...

Anyway to get the word to them?

On Sat, 10 May 1997, rwf wrote:

>
>
> Delaware Rockoon?  I'm confused.  Was there to be one up there, too?
>
> If you are thinking of the Rockoon off the Coast of NC, you didn't see it
> 'cause:
>

> It was postponed.
> It goes at 6:15 AM Sunday  or Monday if wx is bad Sunday.
>
> Bill Brown WB8ELK JUST called me on the repeater as he went thru Marietta GA.
>
> I am updating his Web page at  http://fly.hiwaay.net/bbrown
>
>
> At 02:42 PM 5/10/97 -0500, you wrote:
> >Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
> >Balloon.   I just saw it by chance while playing with maps.  But I forgot
> >to have LOG on so I have no track hisotry but several posits due to som
> >callsign glitches.  It appeard to be headed east out to sea at 60 MPh.
> >
> >See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
> >GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html
> >
> >
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 305. Re: [APRSSIG:12420] Balloon

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 00:33:47 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511003130.3510G-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, William Nolle wrote:

> The correct address for Bil Brown WB4ELK's web page is of course
> http://fly.hiwaay.net/~bbrown/
> Ralph had a little misprint in the address.

APRSdos REPLY/COMMENT:  Bill, I dont have a web browser at home.  Do you
have any idea what the rocoon will use as an UNPROTO path?  THe ideal path
would be UNPROTO APRS VIA GATE,WIDE so that the ROCOON's GPS data on its
UHF frequency could be cross-band digipeatd by anyone with a TNC and alias
GATE over to 145.79 and then to the local WIDES.  Also, by using that
path, any KAM could gate it to HF.  I have sent messages for the last week
to Bill Brown about this, but have not gotten through to him...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 306. Re: [APRSSIG:12409] Deleware Rocket Success!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 00:37:40 -0400 (EDT)
To: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511003513.3510H-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Dr Samuel Guccione wrote:

> Bob, I was not getting altitude data displayed.  Anyone suggestion on what
> I should look for?  The Rocket Launch itself was scrubbed because of a
> failture of the launch igniter.  Rescheduled for 11:00 am tomorrow May 11.

APRSdos REPLY/COMMENT:  I think you used a MIM and I didnt have LOG on, so
I dont have any posits but the LAST.  Normally the MIM builds its own APRS
formatted packets so there is no altitude.  If you transmitted raw GGA,
then we would have altitude...  COuld that be it?

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html

GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 307. Re: Deleware Rocket Success!

From: henryvb <henryvb@dpliv.com>
Date: Sat, 10 May 1997 23:31:01 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <33754B85.6919@dpliv.com>
Rendered body type: text/plain

APRBob wrote:

> Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
> Balloon.   I just saw it by chance while playing with maps.  But I forgot
> to have LOG on so I have no track hisotry but several posits due to som
> callsign glitches.  It appeard to be headed east out to sea at 60 MPh.
Interesting, because their web page says the rocket isn't taking off
until 1015Z Sunday morning!  Somebody must have been testing something.

Henry
N9WMM
henryvb@dpliv.com

## 308. Re: Digi Freqs (was: UHF Frequency Thread -Reply)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 00:45:56 -0400 (EDT)
To: "Foor, Joe" <joefoor@digitalexp.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511004017.3510I-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Foor, Joe wrote:

> OK... I have looked at a POS file, and it will be just as easy to update
> the freqs.bk file to a POS file.
>
> The more input I get, the more accurate it will be. So, if everyone on
> the sig would take two minutes to cut & paste the digis position packets
> from their current backup.bk file, into a message to me, with the
> frequency they were using, I'll get on it.

APRSdos REPLY/COMMENT:  YOu are making a lot of busy work for yourself.
If you want every digi in the country, then you already have that in the
DIGIS.POS file.  No need to duplicate all that.  But you DO want people to
send in the NON-79 freqs.  I agree.

But what I was hoping you would do is to NOT put every digi in the country
there.  Only make a few represenetative big circles that cover teh same
area and that show frequencies, not DIGIs.  FOr example, instead of having
15 entries for the 15 wides on 145.79 in Virginia, simply put ONE SYMBOL
in tne center of VA with a PHG of 9990, and its one PHG circle will show
that all of VA is on 145.79.  The name of that object will be 145.79.
Please keep it simple...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 309. Re: [APRSSIG:12425] HELP 791

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 00:48:49 -0400 (EDT)
To: DAN  FOGARD <foga@foothill.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511004741.3510J-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, DAN  FOGARD wrote:

> PROBLEM:  DOWNLOADED 791 FROM TAPR
>
> WORKED FINE UNTIL I TRIED TO CHANGE MAPLIST TO .CA
>
> FROM THEN ON..... IT COMES UP WITH AN ERROR CANT FIND MAPS DID U USE -d

APRSdos REPLY/COMMENT:  Did you notice the extra menu step in there?  Now
you have to do MAPS-CONFIGURATION-CHANGE  not just MAPS-CHANGE...
Or is that not yet in 791?

Reply mail addr:   wb4apr@amsat.org

US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 310. Re: [APRSSIG:12429] Re: UHF Frequency Thread -Reply

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 01:06:00 -0400 (EDT)
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511005908.3510M-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, Patrick Cook wrote:

> > APRSdos REPLY/COMMENT:  I think the thread was looking for a common UHF
> > frequency....  and 445.925 is one of the standard UHF frequencies in many
> > areas.  On 2 meters, ...  I ... may be on 146.52.  I see no reason
> > *not* to have the MIC-E  activated for auto at about a 5 minute rate
> > especially when monitoring a simplex channel while mobilie... Keeps
> > you from having to key up and call CQ every 5 minutes so as not to
> > miss someone comming the other way...
>
> Except for one *small* problem, Bob.  If someone is monitoring 146.52 for
> whatever reason, all he's going to hear is a packet radio-like "Brrraaapp!!",
> isn't he???

APRSdos REPLY/COMMENT:  Certainly, but if his TNC hears that, then he will
SEE WHO it is and WHERE he is.  If he does not have a TNC, then he will
KNOW that a Mic-E is nearby and can call "QRZ the Mic-E" on voice...  How
many times have HAMS on 146.52 driven by each other and never known it
because both were "monitoring".  SOmeone needs to TRANSMIT or no one
knows they are there.  A Mic-E Bleep is the shortest possible "CQ" and is
even better than a kerchunk, becuz it has your CALL and POSIT in it! :-)

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 311. Thanks

From: kd4emi@juno.com (Michael A Kantor)
Date: Sun, 11 May 1997 01:00:17 -0400
To: aprssig@tapr.org
Cc: joefoor@digitalexp.com, nick@cycat.com, n1rhl@juno.com
Message-ID: <19970511.010027.3478.1.kd4emi@juno.com>
Rendered body type: text/plain

Thanks everyone for the help with win95 .
I got it !

Aprreciated the assist !
73
Mike KD4EMI

## 312. APRS UHF freq

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 01:08:17 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511005132.3510K-100000@arctic>
Rendered body type: text/plain

I have updated my UHF-FREQ.txt file.  Here it is...
UHF-FREQ.txt 7.9.2  A NATIONWIDE UHF GPS SIMPLEX CALLING FREQUENCY
                    ??????  445.925  ??????

    With the availability of the APRS Mic-Encoder that combines VOICE
and Automatic Position reporting on any radio, it might be worth while to
consider establishing a suggested UHF Voice SIMPLEX frequency for mobile
operations.  Since mobiles, wander everywhere, across coordination
boundaries, the evolution of different GPS calling frequencies in
different areas will permanently encumber the growth of this fascinating
new aspect  of amateur radio.  The success of GPS tracking on 2 meters has
been  phenominal due mostly to the concentration of operations on only a
few frequencies nationwide.  Similarly, as more and more stations go GPS
mobile, there is the need to establish a single UHF GPS calling frequency
as well.

FINDING A UHF FREQUENCY!

As anyone that has participated in a frequency coordinating organization can attest, finding an available packet frequency in our already crowded bands is a difficult and painful process. Trying to find a single national frequency is impossible! As a weak-signal operator, and ATV'er, I do not want to see any more encroachment on the 70 CM ATV frequencies and certainly not on the the weak signal bands. Also, as a member of the local Mid-Atlantic Repeater council, I have avidly defended the UHF FM voice frequencies from encroachment by packet operations.

GPS tracking does not act like the other packet applications, however, which always seem to need more and more spectrum. GPS tracking is a SINGLE FUNCTION, SINGLE FREQUENCY application. Conversly, all other packet applications such as BBS's and DX clusters, for example, are HUB or star based networks which operate most effectively when each major NODE or BBS has its own separate frequency. Due to the community nature of these beasts, there is always a crowding effect driving the users to find more and more frequencies.

The GPS reporting and tracking network, however, gains its advantage by having ALL mobile stations on one and only one frequency. Just as HAMS have 146.52 as a national calling frequency, and CB'ers have channel 19, the GPS application needs only a single calling frequency too.

Maybe it is time to allocate just a single one of the FM simplex channels near the 446.0 FM simplex calling channel as a mobile GPS calling channel. Just as 446.00 is recognized as the UHF calling frequency, there should be a comparable GPS status and calling frequency for mobiles nationwide. I anguished long and hard over this proposal, and I suspect that it will meet with a lot of emotional and idealogic controversy. But I think that anyone that is watching the trends in communications technology will certainly conclude that GPS position reporting of mobile radio operations WILL BE FUNDAMENTAL IN EVERY MOBILE NETWORK within 10 years. (Just witness the growth of APRS in only 4 years!) We either bite-the-bullet now and plan for the orderly development of GPS applications on the 70 cm band, or we will be fighting this same battle for the next ten years.

If you have any comments on this idea, or have a better way, please contact your local frequency coordinating council. This is not a request for coordination, since it fits no established categories and simplex voice frequencies are not coordinated, but if your coordinating body does keep a "list" of common usage, then see if the 445.925 MHz simplex FM channel is available in your area. This is not a PACKET issue and should not just be relegated to the digital channels. It is a unique MOBILE application that should be addressed with primary consideration to its broad ranging and NON fixed application across coordination boundaries. On the other hand, typical packet applications are for FIXED links where frequency coordination and sharing are easy to accomodate by known fixed spatial separation. APRS UHF voice with GPS position reporting will be EVERYWHERE...

I just can't get over the excitement, of someday, being able to glance at your dash-board mounted full color map display and seeing the location of every mobile HAM within 30 miles! Setting aside a single GPS status and position reporting simplex VOICE frequency NOW, will make this happen!

## 313. Re: [APRSSIG:12428] Need KPC-3/Tripmate Clarification

From: kd4emi@juno.com (Michael A Kantor)
Date: Sun, 11 May 1997 01:06:02 -0400
To: jimgill@probe.net
Cc: APRSSIG@tapr.org
Message-ID: <19970511.010603.3478.2.kd4emi@juno.com>
Rendered body type: text/plain

>I am totally unable to find either R-48 or an empty spot for it on the
>KPC-3 board or the schematic. Could it be R-8, which is a 10k
>resistor
>in the same

Nope, look at the book and page 125 (PARTS LAYOUT)

Invert the book so that the top of the book and page 125 is in upper left side, the words
"KPC3 parts layout" is now in lower right.

look at the letter T in layout and put your finger on it., go up you'll see R44.

Move left you will see r47 go down and left a tiny bit and there is R48.

Good luck
Mike KD4EMI@JUNO.COM

## 314. Re: [APRSSIG:12409] Deleware Rocket Success!

From: Dr Samuel Guccione <sguccion@outland.dtcc.edu>
Date: Sun, 11 May 1997 06:26:59 -0400 (EDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SV4.3.95.970511062601.12595B-100000@outland.dtcc.edu>
Rendered body type: text/plain

Yes that is it. Am using MIM for sure. Picked RMC sentence but did not
pay attention to altitude data sentence. Thanks.
Sam

On Sun, 11 May 1997, Bob Bruninga wrote:

> On Sat, 10 May 1997, Dr Samuel Guccione wrote:
>
> > Bob, I was not getting altitude data displayed. Anyone suggestion on what
> > I should look for? The Rocket Launch itself was scrubbed because of a
> > failture of the launch igniter. Rescheduled for 11:00 am tomorrow May 11.
>
> APRSdos REPLY/COMMENT: I think you used a MIM and I didnt have LOG on, so
> I dont have any posits but the LAST. Normally the MIM builds its own APRS
> formatted packets so there is no altitude. If you transmitted raw GGA,
> then we would have altitude... COuld that be it?
>
>
> Reply mail addr: wb4apr@amsat.org
> US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
> See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html
>
>

**********
Dr. Sam Guccione Delaware Technical & Community College
Chair Engineering Terry Campus
Technologies/Physics 1832 North duPont Highway
302-741-2802 Dover, DE 19901
ARS K3BY 302-741-2838 Fax
**********
Delaware Rocket Launch Technical Home Page
http://www.dtel.terry.dtcc.edu/~rocket
**********

## 315. Rockoon Launched 7AM Sun. Look for APRS

From: rwf <rwf@mindspring.com>
Date: Sun, 11 May 1997 07:42:30 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970511074127.0076da3c@ccegate.cokecce.com>
Rendered body type: text/plain

A very excited WB8ELK just notified me that the Rockoon left the ground in
North Carolina at 6:59 AM EDT today. We expect rocket ignition between
approximately 9:00 and 9:30 AM from 100,000 ft. HF net is on 3.871 MHz.
Please look for APRS packet on 441.050 MHz. For more info on ATV and other
modes/frequencies, see:

http://fly.hiwaay.net/~bbrown

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 316. Rockoon Launched 7AM Sun. Look for APRS

From: rwf <rwf@mindspring.com>
Date: Sun, 11 May 1997 07:46:08 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970511074603.00a14ca8@ccegate.cokecce.com>
Rendered body type: text/plain

Sorry, I don't know what UNproto ended up being set in the TNC on the balloon gondola. Bob's suggestion was submitted, but things near the end were pretty hectic. BTW there is no GPS/Packet on the rocket itself, and the package carrying the APRS stuff may well likely end up at Davy Jones' Locker. Rocket ignition is supposed to take place well out to sea.

For more info, see http://fly.hiwaay.net/~bbrown

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask me how!

## 317. Re: [APRSSIG:12433] Re: Deleware Rocket Success!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 11 May 1997 09:57:37 -0400 (EDT)
To: henryvb <henryvb@dpliv.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511095528.9631A-100000@arctic>
Rendered body type: text/plain

On Sat, 10 May 1997, henryvb wrote:

> > Zoom out to the ocean off Deleware and see if you picked up the ROCKET or
> > Balloon. I just saw it by chance while playing with maps. But I forgot
> > to have LOG on so I have no track hisotry but several posits due to som
> > callsign glitches. It appeard to be headed east out to sea at 60 MPh.
> Interesting, because their web page says the rocket isn't taking off
> until 1015Z Sunday morning! Somebody must have been testing something.

APRSdos REPLY/COMMENT: It was a combined balloon/rocket launch. The Balloon was launched 2 hours before the rocket so that it could overfly the rocket launch site and ATV could view the launch. The balloon worked beautifully. For some reason the rocekt launch is delayed to today...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 318. Balloon/Rocket track

From: bob <w2g3zfj@unix.asb.com>
Date: Sun, 11 May 1997 10:23:07 -0400
To: aprssig@tapr.org
Message-ID: <3375D64B.2CE1@unix.asb.com>
Rendered body type: text/plain

Hi Folks

I captured some tracks on my java page which I presume are from the balloon launch. Have a look at the local vhf page at my java site and zoom out until you see the track off the coast (the map doesn't extend that far on my page). I didn't capture it on the hf page so can't view it on the usa map.

73 de bob
--
bob w2/g3zfj

mailto: w2g3zfj@unix.asb.com

javAPRS page and other good stuff

http://www.asb.com/usr/w2g3zfj/aprs1.htm

==========

## 319. Rockoon Flight a success!!

From: rwf <rwf@mindspring.com>
Date: Sun, 11 May 1997 10:32:52 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970511103248.0072cb2c@ccegate.cokecce.com>
Rendered body type: text/plain

ROCKOON FLIGHT A SUCCESS!

Although the balloon failed (burst) at about 60,000 ft instead of the
planned upon 100,000 ft, WB8ELK caught the balloon burst on video and the
"FIRE" command was issued.  The rocket fired and traveled to an altitude of
(and this is only a guess) 30 miles.  The exhaust blast hit the camera on
the balloon gondola, but the video kept on working.

The gondola/APRS/GPS/ATV package splashed down into the ocean and a
recovery boat is attempting to find it.  The rocket sent back spectacular
photos from the very edge of space.   Please watch ABC World News Tonight
and CNN,  there should be stories on both programs.

Did anyone copy the APRS packets on 441.05?  If so, let N4NEQ know so we
can get track files from you.   n4neq@amsat.org

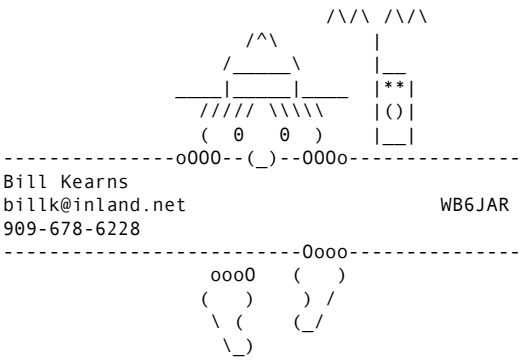
## 320. Windows95 Easter Egg

From: Bill Kearns <billk@inland.net>
Date: Sun, 11 May 1997 10:54:21 -0700 (PDT)
To: aprssig@tapr.org
Message-ID: <199705111754.KAA17464@ns1.inland.net>
Rendered body type: text/plain

hello siggers,

        looking through some old docs, i ran accross the instructions for the
Win95 Easter Egg. i just tried it and it still works with the latest version
of win95.  print it out and give it a try!

1. Right-click on the desktop.
2. Select New Folder.
3. Name the folder "and now, the moment you've all been
   waiting for" (without the quotes).
4. Right-click the folder and rename it "we proudly present for your
   viewing pleasure" (no quotes).
5. Right-click the folder once more and rename it "The Microsoft
   Windows 95 Product Team!" (no quotes).
6. Open the folder and there it is.



Bill Kearns
billk@inland.net                    WB6JAR
909-678-6228

## 321. Re: [APRSSIG:12428] Need KPC-3/Tripmate Clarification

From: Jack Anderson <jra@crosslink.net>
Date: Sun, 11 May 1997 15:34:50 -0400
To: jimgill@probe.net, aprssig@tapr.org
Message-ID: <2.2.32.19970511193450.0069f1b4@jra.pop.crosslink.net>
Rendered body type: text/plain

These instructions apply to the KPC-3 model.  The KPC-3+ probably has an
entirely different procedure, perhaps a software command.  Check the index
and see if you can find the command or instructions to make "DSR" active.

Jack N4ULS

At 10:59 PM 5/10/97 -0500, James P. Gill wrote:
>I just received my KPC-3 Plus to use with a Tripmate as an autotracker.

>I have searched the sig and found many messages showing many ways to
>hook the two together for self init, autotrack, etc.  An old message
>from Bill Kearns says:
>
>>                 MODIFICATIONS TO KPC-3
>> Install a 4.7 K resistor at position R-48 to make DSR active,
>> (see parts layout for location of R48). It is at the rear, on
>> the board, between the DB9 and DB25 connectors.
janderson@rcc.com - at work
jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

## 322. Stand-Alone Tracker

From: RayN8AGB@aol.com
Date: Sun, 11 May 1997 18:10:19 -0400 (EDT)
To: APRSSIG@tapr.org
Message-ID: <970511181018_841684910@emout03.mail.aol.com>
Rendered body type: text/plain

I was advised to send a message to get the proper setup for a stand-alone
tracker using a KPC-3, TNC, and a TripMate GPS receiver.  I have both at hand
and would like to know if there are any special wiring instructions for them.
 I have the connection to a Yaesu, FT-530 radio that I use for mobile packet
already to go.

Perhaps the quiestion should be, "Where do I go from here?"

I would like to demonstrate this system to a group of Horse-people taking
their Tech+ test this Tuesday evening.  I already have the APRS program and
can run it on a laptop simulating an emergency situation such that they are
organizing themselves to become involved.

Thank you ahead oftime for your help.

Raymond Day
N8AGB

## 323. GPS String

From: kd4emi@juno.com (Michael A Kantor)
Date: Sun, 11 May 1997 18:19:44 -0400
To: aprssig@tapr.org
Message-ID: <19970511.181945.4598.0.kd4emi@juno.com>
Rendered body type: text/plain

I know someone has the format to these strings, need help decoding it.
(some is obvious like lat//long though)

$GPRMC,195852,A,2617.7292,N 08011.16,W,1.580,358.4,110597,4.8,W *74

Can someone decode it ?
Mike
Kd4EMI@JUNO.COM

Oh, PS , saw several microsoft packages for driving that also support GPS
'S !

## 324. Kansas City on JavAPRS!!!

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Sun, 11 May 1997 17:23:45 -0500
To: aprssig@tapr.org
Message-ID: <337646F0.50DA@kcaprs.org>
Rendered body type: text/plain

Ever wonder what REALLY happens in Kansas City (ya, I know: Dorothy,
Toto, Cows and the occassional tornado, right?)???

Well, now you CAN find out if everything's TRULY up to date in Kansas
City by surfing over to http://www.kcaprs.org/aprs/radio.html

Check out our new JavAPRS site on the web!  Special thanks to Steve,
K4HG, for assistance in configuring the site!!!  Presently we're
manually updating the data as often as possible.  Give me a little time
and I'll have this part automated!!!

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group

Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

## 325. Rockoon

From: William Nolle <wa8inz@mindspring.com>
Date: Sun, 11 May 1997 18:18:52 -0500
To: aprssig@tapr.org
Message-ID: <337653DC.5CB0@mindspring.com>
Rendered body type: text/plain

There was nothing mentioned about the balloon and rocket launch on ABC
World News Tonight, but our local channel 31 here in Huntsville did have
it on and will be showing the whole launch later this week. I also
looked at CNN and did not see it there either, maybe later this week.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 326. Problem with WinAPRS 1.4x

From: Jeff Brenton <jeffb@stans.com>
Date: Sun, 11 May 1997 18:51:23 -0500
To: Keith Sproul <ksproul@hardees.rutgers.edu>
Cc: Mark Sproul <sproul@ap.org>, aprssig <aprssig@tapr.org>
Message-ID: <33765B7B.6343@stans.com>
Rendered body type: text/plain

There is a new "feature" of WinAPRS v1.4.5 (possibly earlier versions,
too, but I haven't checked).

If you want to track weather stations, and go into the Settings |
Weather menu to turn on "Track WX Stations", you have just turned
yourself into a manual weather station... reporting zeros for all
values.

While other WX stations have disappeared, a lot of new ones have
appeared, all reporting 'c000s000t000r000p000P000h00b00002MAN' and
'000/000/T000/T000/P000/B.../ Manual'. I doubt that this is what these
stations intended to do...

Two options, as I see it - either do not report if manual entry fields
are all zeros, or move "Track WX Stations" to another menu, such as the
APRS menu. Please?

## 327. Re: [APRSSIG:12449] GPS String

From: Jeff Brenton <jeffb@stans.com>
Date: Sun, 11 May 1997 18:56:27 -0500
To: kd4emi@juno.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <33765CAB.5A53@stans.com>
Rendered body type: text/plain

>From my reading of your string...

 $GPRMC,195852,A,2617.7292,N 08011.16,W,1.580,358.4,110597,4.8,W *74

At 19:58:52 on 05/11/97, your GPS had a valid (A) fix at 26 17.7292N/080
11.16W, traveling at 1.58 knots in a direction of 358.4 degrees true.
Local magnetic variation (calculated) is 4.8 degrees West. *74 is the
checksum of the string, for those programs that require it.

## 328. Thanks

From: kd4emi@juno.com (Michael A Kantor)
Date: Sun, 11 May 1997 20:20:54 -0400
To: aprssig@tapr.org
Message-ID: <19970511.202054.3950.2.kd4emi@juno.com>
Rendered body type: text/plain

Thanks all for the info about the GPS strings.
That should do it.

I upgraded my system to pentium and learning everything all over again
for win 95
So, when I was checking things out, started to wonder about things.

Mike

Kd4EMI@JUNO.COM

## 329. Re: [APRSSIG:12390] SIGNS,, re: UHF Frequency Thread -Reply

From: BF4SMK3@CHESHUB1.BELL-ATL.COM
Date: Sun, 11 May 1997 21:00:45 -0400
To: "aprssig(a)tapr.org" <aprssig@tapr.org>
Cc: "laurel(a)webtrek.com" <laurel@webtrek.com>
Message-ID: <00316000065463700000002*@MHS>
Rendered body type: text/plain

APRSers:

I had submitted a similar suggestion concerning road signs to my ARRL Director. Below is my email with responses from her and some other folks, including ARRL General Counsel Chris Imlay/W3KD. I thought the best way to approach signage was have the ham community develop a national standard so we could present a complete and consistent package to the appropriate government agencies.

My hope was to advertise frequencies with little logos/icons that represent services available or usage of the frequencies (i.e. SkyWarn, ARES/RACES, autopatch, wide-area coverage). MIC-E would certainly be a candidate for an icon!

I think that repeaters used for Skywarn would be an excellent place to start for MIC-E. I have travelled past Harrisburg, PA on at least 2 occasions when Skywarn was activated. Not being familiar with the area (and massive rain and/or hail coming down), it was difficult to give a position report that was accurate to better than about 3 miles. With the MIC-E I would just have to give my callsign and report of 'it's raining and lighting so hard I can't see 10 feet in front of me', and net control would have my location from the MIC-E.

I hope to work in signage in the Maryland area, but it is on the back-burner right now due to time constraints. If there is enough interest generated here, I would certainly try to move it up on my priority list.

Sorry for this very long email message, but thought I would share all my information on the subject at one time.

73

Mark/N3NTQ
laurel@webtrek.com

---
---
4/6/97 8:20pm, From Mark Doore to Kay Craigie, copy to some Laurel ARC members

Kay:

Nice to meet you, Bernie, and the others this afternoon.

I have a thought that I would like some comments on. Maybe this has been previously suggested and lambasted, but that hasn't seemed to stop me from eating coax before.

Friday night, I was traveling across I-78 to Allentown, all of my passengers asleep. I was interested in making an autopatch to my in-laws to let them know we were about an hour away. I didn't have my repeater directory with me (shame on me). Scanned the bands and heard some long QSO's in progress, didn't feel inclined to break in for a non-urgent patch, particularly not knowing the location of the repeaters in use or whether they even had a patch.

The thought that occurred to me was: why not have some of those nice blue signs (like 'dial #77 cellular', or 'dial 911 cellular', or 'police monitor cb channel 9') listing a couple of repeater frequencies in the area?

Has this concept been explored before? I'd like to pursue this but don't want to open a can of worms that has been previously discussed and put to rest. I'm also not sure what the best avenues are to approach this, in a politically correct manner. Initially would want to do on the Interstates, but also state and county roads down the road.

Here are some thoughts and issues to be considered:

- The amateur community should be prepared to make a comprehensive proposal to the appropriate agencies. The proposal should put most of the burden on the amateur community for the administration and coordination so there is little resource impact to and resistance from the governments. The proposal should address how the amateur community will work with the appropriate agencies

at the national, state, and local levels.  We should also propose how the ham-side of the shop will function, getting buy-in from the amateurs across the country.  (wishful thinking)

- An organization consisting of hams should be set up to administer the program.  They should be recognized as the single point of contact for the program, by the governments and the amateur community.  They should review and select the frequencies to be advertised, collect/disburse any fees, and handle complaints/compliments, etc.  The organization should have national, regional, state, and local components.  This obviously sound similar to the ARRL Field Organization structure, and in fact ARRL may be the appropriate organization to take on this role - do  I see a hand being raised???

- How will this be funded?  Will the federals, states, and counties be willing to pay for the signs?  I would suggest that this should be revenue/expense-neutral to the governments.  Should those listed on the signs bear full cost?  Dunno.  A standard fee structure should be established the interstates, then each state, ....  There will certainly be administrative costs that will also need to be considered.

- Selection process of frequencies to be listed.  Should probably be an annual selection/review cycle.  I would hope that we don't change the frequency listings annually!  If good selections are made up front then they should not need to be changed for at least 3-5 years.

- Standard sign design/format.  Something like:

```
+-----------------------------------+
| Amateur Radio Service     (logo?) |
|   147.180+  * # W TCARC           |
|   147.225+  *     WB3GXW, 156.7   |
|   147.350-    #   K3BOI           |
|   147.540         LARC (or Laurel)|
+-----------------------------------+
```

The * might be some symbol or letter representing autopatch, # for Skywarn frequency, W for wide-area coverage.  Maybe some designation for an ARES/RACES frequency.  Think of some others?  The 156.7 would indicate the PL tone required.  The 147.540 is the simplex frequency the the Laurel Amateur Radio Club calls home.  I believe this frequency is also listed in the T-MARC directory as 'Laurel' area.

Maybe an implied format that line 1 is the wide-area repeater, line 2 the local repeater, line 3 the local simplex, line 4 the ARES/RACES, and line 5 the Skywarn frequency.  Should we leave out the club or callsign?

What should the standard sign sizes be for interstate, state, and local roads? What is the proper number of frequencies to list on a sign? Maybe design should be such that each entry is a slide-in, so that can be rearranged and replaced easily.  What would be the recommended spacing of signs be?

Maybe there should be a listing each for the following types of frequencies:

- wide area repeater with autopatch
- local area repeater with autopatch - Skywarn frequency
- ARES/races frequency
- local simplex frequency (per T-MARC or similar org),

assuming that a club steps forward with application for (local simplex listing would also be useful for
mobile-to-mobile contacts, I see a ham in front of me but don't know what frequency she might be listening on - maybe a local 'calling' frequency would be used more than the national calling frequency)

- Frequency selection criteria and process.  We obviously want to advertise only frequencies that are complimentary to the ARS, frequently monitored by the locals, and friendly/accommodating to travelers.  We need to come up with some very specific criteria for selecting frequencies to be advertised that will be viewed as fair and reasonable.  There is only so much space on a sign so I'm sure some will be unhappy regardless of the outcome. There are at least some costs that will need to be born by the trustee or club to be listed, but I don't think we want to get into an auction situation (I'm obviously not the treasurer). Maybe there is actually some block money available at the national or state level to offset costs - we are pretty well recognized as a public service. In the case of repeaters, part of the criteria should be a statement from club officers that all club members have been briefed and concur with the responsibilities of being listed (i.e. repeater broadcast message encouraging travelers to use the repeater, be courteous to travelers that break into a QSO for assistance, bring up the patch for travelers when requested, ...).  Maybe there is a Public Service or Special Service Repeater designation

that be granted to repeaters that meet the desired criteria.  We should come up with a standard for using the coverage range to determine what areas a repeater would be eligible for listing - like must be full quieting into the repeater from an HT with 2 watts from the sign the location and the next 5 or 10 miles along the road).

- Multiple signs/frequencies.  On a given stretch of road a sign might contain the same wide area repeater frequency, but a different local repeater, ARES/RACES, and/or SKYWARN frequency. Something    like:

Sign 1 - Wide Area 1, Local Area A, ARES/RACES X, Skywarn (a) Sign 2 - Wide Area 1, Local Area B, ARES/RACES X, Skywarn (a) Sign 3 - Wide Area 1, Local Area C, ARES/RACES Y, Skywarn (b)

We should be sensitive to the service area of the repeater/frequency and where it is advertised.  Probably get some flack if listing Prince Georges County repeaters in Montgomery County.
Maybe a good spot for signs is right after you pass a County line?

- We should run through some test scenarios.  Pick some areas and strawman what we think would be candidate repeaters/frequencies for each of the categories (wide, local, ARES/races, Skywarn, local simplex).

- If we get this off the road we will have to look at a long-term rollout plan.  To some extent that will be dictated by how active the amateur gets involved in the local area.  We should try to have amateur reps in place, at least down to the state level, before doing big PR effort.  Maryland (ok, and Pennsylvania) would be the first states to get rolled out.

Hope this enough to chew on for now.  Probably need some legal counsel familiar with amateur radio and government operations to help us out with various aspects of this. Do you know any good ones? (hi, hi - Chris).

Seriously, if this is actually an original idea (which I doubt) and has some merit, and ARRL becomes invovled, I would ask that the Laurel/Calverton/Silver Spring, Maryland area be the first considered for deployment.

Thanks and 73...

Mark/N3NTQ
laurel@webtrek.com
http://www.webtrek.com/~laurel/org/larc

P.S. to the LARCers I cc'ed - naturally, we will  circumvent all the above bureaucracy and immediately get our own signs within the city limits of Laurel (hi, hi)

---
---
4/7/97 6:38am, From Russ Studer/N3AUQ (LARC member) to Mark Doore

Hi Mark,
I don't normally answer your messages here but this one warrants an immediate reply.  First off there is a sign on the I-495 around Lowell, Mass.  All it says is wb1??? 146.52.  I questioned this sign once going thru the area and was told that it was the call of a local law enforcement officer.  I guess when he is on duty he monitors 146.52 in the car.  Never gave him a call, and not sure if he would respond.  I do know that once I had the occasion to call for assistance from the CB chan 9 (please don't tell anyone) No RESPONSE.  I guess they won't respond because they would be inundated with calls.

Another note is, not too many years ago when I went into Maine, on the turnpike, the first rest stop also information center has racks of literature.  One piece caught my eye, it was a card about 5x7 with a picture on the state with all the repeaters in the approximate locations.
This was very useful, however it's no longer there I'm sad to say.  This was put there by the Pine Tree Net with freq and net time, very useful advertising I though.

---
---
4/7/97 8:38pm, From Kay Craigie to Mark Doore

Dear Mark,
I don't know if the idea has ever been raised. Even if the highway authorities

were agreeable to putting up such signs ... and I have no idea if they would be ... selection of repeaters would be a tricky business in any metropolitan area because there are so many repeaters. The potential for offending repeater sponsors is immense, unless we're talking huge billboards. It wouldn't be quite as easy to read the signs as the cellular and CB info, either, at 55 mph.

The people who have the freshest information about repeaters are the regional repeater coordinators, rather than the League. We get an update from the coordinators once a year for the repeater directory.

Another idea, of course, is for all of us to remember about the simplex calling frequencies. I was stuck in bad traffic on I-95 in Virginia once some years ago late at night, put out a call on '52 simplex, and an old friend who had moved away from here years ago came back to the call.

I wouldn't say the idea is impossible, but it wouldn't be easy to work out the details so that 99% of the repeater sponsors wouldn't be enraged because their machines were not on the signs. 73, Kay WT3P

---
4/7/97 9:27pm, From Mark Doore to Kay Craigie, copy to some Laurel ARC members

Hi Kay:

Thanks for the reply.  I'll take it that you don't see ARRL as having an interest in this, let me know if I am misinterpreting you.

LARCers:

I may start to investigate doing this in our local area on my own, unless I hear some comments from you that would discourage me.

For starters, I would probably attack I-95 between the 495 split and the Howard County line.  If I get concurrence from the appropriate clubs, organizations, and repeater owners I would probably seek to advertise the following repeaters:

147.225+  (WB3GXW, local area + patch) 145.350-  (Waldorf..., SkyWarn and ARES/RACES) 147.540   (Laurel Simplex)

I would certainly be interested in your feedback about suggestions for other frequencies that would be more appropriate.  I was tempted to include 147.180+ in there, but my concern is that I consider it to be a 'Montgomery County repeater'.  Maybe one of the Green Mountain repeaters should also be considered.  The 147.350- satifies the wide-area, area/races, and skywarn criteria - just no patch.

If you have any experience in dealing with this type of endeavor I would appreciate your guidance.

In parallel, should I pursue some signs at the entrances to the City of Laurel specifically adverting LARC, its meeting date/time/place, and the 147.540 and/or 147.225+ frequencies?  I would view this as a club initiative as opposed to a personal one.

Thanks and 73...

Mark/N3NTQ

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---
4/8/97 7:30pm, From Stan Doore/K3JNT (LARC Member) to Mark Doore

Your idea sounds good.  Here are some initial thoughts off the top of my head.

Best chance of getting signage on the highway is to have a purpose related to safety and be government oriented.  RACES is an official government function, ARES is not but it is close to the government and is associated with safety.  SKYWARN is another government sanctioned function too. Try to pursue these avenues if you want signs along the highway.  Might try to link it with road weather observation platforms which are being installed nationwide.  I see one has been installed on I-495 on the bridge over CN Avenue, south side.

You are on the right track to get the ham community organized first for a well thought out plan before approaching government agencies.  When a draft idea/plan has developed to the point of an alpha concept, then you can proceed on a more formal basis.  Meanwhile you can also bounce the idea off

local officials to get their reaction and if somewhat favorable try it locally, much like the purchase of WINX by Montgomery County.  I'll be glad to help!

73s Stan K3JNT

---
---
4/8/97 10:03pm, from Kay Craigie to Mark Doore

Right ... I don't think this is something a national-level organization can do. However, I wish you well in making it work, locally. 73, Kay WT3P

---
---
4/15/97 11:00am, From Chris Imlay/W3KD (ARRL General Counsel) to Mark Doore

The subject of highway signs is, believe it or not, one of the most highly regulated matters that the Government gets into. We went through trying to keep up some repeater signs that hams had paid for in Jackson, MS a few years ago, and FHWA said no dice. I would not be optimistic about this, but if you want to tackle it, try the FHWA manual (about
6 inches thick) which is the bible on road signage. I have a copy here, believe it or not.

73, Chris Imlay W3KD

> ---
> ---
> ---
>
> _____ Reply Separator
> _____
> Subject: [APRSSIG:12390] re: UHF Frequency Thread -Reply
> Author:  aprssig@tapr.org at INTERNET
> Date:    5/10/97 10:47 AM
>
> >  From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>, on 5/10/97 8:05 AM: >  Hi Every one;
> >  I think the main thing we need to remember, if every one is not on the >  same frequency, is how do you tell travelers where you are?
>
> I've (occasionally) crossed a state line or come to a large city while driving cross-country and seen one of the green "info" signs on the interstate telling about repeaters, etc.  The last time I saw a sign like this was when approaching Alamogordo from the east.  The sign was explaining the power limits in that area for 450 MHz.  Guess the military uses RADAR near that frequency in that area, or something. Why don't we look into such signs for areas where the network is well-developed and people travel through?
>
> Earl Needham, KD5XB
> Clovis, NM
> Wood Badge at Philmont!  http://www.geocities.com/Yosemite/7582/
> KD5XB@AMSAT.ORG
> Phi Mu Alpha Sinfonia, Pi Chi '76
>
> >  >>> "Rich Garcia" wrote
> >
> >  Well maybe we should look at it from another angle. >  <SNIP>
> >  Instead of doing nothing but spending time deciding what frequency to >  use for a NATIONAL UHF APRS Channel just pick one out that works for >  your area. Yes it would be GREAT to have one but chances are slim and

## 330. Re: Ham Conventions

From: John M Domblewski <wendysue@global2000.net>
Date: Sun, 11 May 1997 21:22:11 -0400
To: aprssig@tapr.org
Message-ID: <337670C3.665C@global2000.net>
Rendered body type: text/plain

>
>
> Date: Sat, 10 May 1997 16:27:07 -0500
> From: "Bryan Fair" <brfair@flash.net>
> To: <aprssig@tapr.org>
> Subject: Ham Conventions

> Message-ID: <199705102121.QAA17413@endeavor.flash.net>
>
> Does anyone know
> if TAPR will Be at the ARLINGTON,TX HAM-COM selling the MIC-E units?
> if Agrelo E. will beselling DFjr?
> Or anyone else doing the same?
>
> Bryan Fair / KC5CVX
> kc5cvx@amsat.org
> http://www.flash.net/~brfair

Yes Brian Joe Agrelo will be there selling DFjrs. We (he & I) will be
leaving here Wednesday night. I don't remember the booth # though.

73

John
--

John M Domblewski N2OJY
Wendy S Helm N2XXX
503 Middle Grove RD.
Middle Grove, New York 12850-1107
518-584-6554
mailto:wendysue@global2000.net

## 331. Why not multiple-users on same digital channel?

From: "E. Tupis" <evman@vivanet.com>
Date: Sun, 11 May 1997 21:42:29 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <199705120142.VAA14649@vivanet.com>
Rendered body type: text/plain

Please forgive my ignorance, as I'm attempting to migrate my knowledge of
"wire-based" digital communications with my newfound interest in "wireless"
digital communications.

On the same physical cable, I can handle multiple "QSO's" from multiple
computers running multiple applications, without a problem...even on a
"collision-detection"-style network (10base2 ethernet or 240kbps AppleTalk
for example).

Here, I hear folks saying that the reason for not choosing a "national"
frequency for APRS on 70-cm, is because, in their area the frequency (wire,
in my analogy), is already supporting an application, thereby disqualifying
that frequency for other use.

Now I grant, that the speed of communications is many factors of 10 slower
on APRS than on 10base2 ethernet, or even 250kbps AppleTalk, but please
explain to me why, when ham-packet uses collision-avoidance algorythims, the
same channel can't be used by multiple applications?  Voice, I can
understand (two seperate conversations on the same channel can't work), but
in the digital arena, I just don't understand this limitation.

Truly trying to understand, and *not* trying to start a flame-war, I would
REALLY, REALLY, REALLY, REALLY, REALLY, REALLY, appreciate a *** DIRECT ***
response, rather than an answer to the listserve.

Please reapond DIRECTLY to me, and I'll post a "journal" of responses to
anyone who would like to receive it.

Regards,
Ev Tupis, K2IV
Rochester, NY

## 332. Re: [APRSSIG:12451] Rockoon

From: "Eric A. Cottrell" <eac@shore.net>
Date: Sun, 11 May 1997 20:53:55 -0400
To: wa8inz@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <33766A23.7B10@shore.net>
Rendered body type: text/plain

William Nolle wrote:
>
> There was nothing mentioned about the balloon and rocket launch on ABC
> World News Tonight, but our local channel 31 here in Huntsville did have

> it on and will be showing the whole launch later this week. I also
> looked at CNN and did not see it there either, maybe later this week.
> --

I heard an interview on NPR Sunday evening about it.

73 Eric eac@shore.net

## 333. Re: [APRSSIG:12449] APRSSIG digest 1012

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Sun, 11 May 1997 21:31:40 -0500
To: aprssig@tapr.org
Message-ID: <v03020900af9c2c15a0dd@[192.168.1.2]>
Rendered body type: text/plain

> Date: Sun, 11 May 1997 01:08:17 -0400 (EDT) From: Bob Bruninga
> <bruninga@nadn.navy.mil> To: aprssig@tapr.org Subject: APRS UHF freq
> Message-ID: <Pine.GSO.3.95.970511005132.3510K-100000@arctic>
>
> I have updated my UHF-FREQ.txt file. Here it is... UHF-FREQ.txt 7.9.2
> A NATIONWIDE UHF GPS SIMPLEX CALLING FREQUENCY
> ?????? 445.925 ??????
>

<snip>

>
> As anyone that has participated in a frequency coordinating
> organization can attest, finding an available packet frequency in our
> already crowded bands is a difficult and painful process. Trying to
> find a single national frequency is impossible! As a weak-signal
> operator, and ATV'er, I do not want to see any more encroachment on the
> 70 CM ATV frequencies and certainly not on the the weak signal bands.
> Also, as a member of the local Mid-Atlantic Repeater council, I have
> avidly defended the UHF FM voice frequencies from encroachment by packet
> operations.

That is the real issue Bob. Our bands are not very 'crowded'. They have
people assigned to freq, but take a look at Robert Buass recent posting on
the SS Docket 97-12 on freq usage in the supposedly very crowded part of
Calf he lives in (http://www.tapr.org/ss/rule_changes.html).

It really shows how our VHF/UHF through bandplanning and coordination do a
very poor job of actualy meeting the needs of a diverse amateur population.

This is one reason commercial folks want our freqs. They see a vast
virigin spectrum that is very under untilized in operations. We need more
activity like APRS and other uses that use freqs, instead of protecting
spectrum that might not be utilized in the current configuration. The
problem is that when you protect someone (like repeaters), we probably
never get those freqs back for open amatuer operations for a long, long
time.

> GPS tracking does not act like the other packet applications,
> however, which always seem to need more and more spectrum. GPS
> tracking is a SINGLE FUNCTION, SINGLE FREQUENCY application.
> Conversly, all other packet applications such as BBS's and DX clusters,
> for example, are HUB or star based networks which operate most
> effectively when each major NODE or BBS has its own separate frequency.
> Due to the community nature of these beasts, there is always a
> crowding effect driving the users to find more and more frequencies.
> The GPS reporting and tracking network, however, gains its advantage
> by having ALL mobile stations on one and only one frequency. Just as
> HAMS have 146.52 as a national calling frequency, and CB'ers have
> channel 19, the GPS application needs only a single calling frequency
> too.
>
> Maybe it is time to allocate just a single one of the FM simplex
> channels near the 446.0 FM simplex calling channel as a mobile GPS
> calling channel. Just as 446.00 is recognized as the UHF calling
> frequency, there should be a comparable GPS status and calling
> frequency for mobiles nationwide. I anguished long and hard over this
> proposal, and I suspect that it will meet with a lot of emotional and
> idealogic controversy. But I think that anyone that is watching the
> trends in communications technology will certainly conclude that GPS
> position reporting of mobile radio operations WILL BE FUNDAMENTAL IN
> EVERY MOBILE NETWORK within 10 years. (Just witness the growth of APRS
> in only 4 years!) We either bite-the-bullet now and plan for the
> orderly development of GPS applications on the 70 cm band, or we will

> be fighting this same battle  for the next ten years.

This is probably not a bad approach.  While it is best to work with local groups of hams that decide on spectrum policy to make everyone happy, if we examine past history, you have to a lot of time find a freq and establish on it and then fight for acceptance.  Everyone just needs to be aware that it takes both approaches a lot of time to get what you want.  In many parts of the US, if you ask you will never get listened to or responded to.  This is why there have been so many issues with the Amateur Spectrum Coordination community.  Just see how the NFCC has fractured in the last year after getting established.  They had a goal of establishment something outside the ARRL that they could agree on, but after that there seems to be little or no positive direction seen on issues.  At least none that I have been able to find.

>      If you have any comments on this idea, or have a better way, please
> contact your local frequency coordinating council.  This is not a
> request for coordination, since it fits no established categories and
> simplex voice frequencies are not coordinated, but if your coordinating
> body does keep a "list" of common usage, then see if the 445.925 MHz
> simplex FM  channel is available in your area.  This is not a PACKET
> issue and  should not just be relegated to the digital channels.  It is
> a unique  MOBILE application that should be addressed with primary
> consideration  to its broad ranging and NON fixed application across
> coordination  boundaries.  On the other hand, typical packet
> applications are for FIXED  links where frequency coordination and
> sharing are easy to accomodate by  known fixed spatial separation.  APRS
> UHF voice with GPS position reporting will be EVERYWHERE...

>      I just can't get over the excitement, of someday, being able to
> glance at your dash-board mounted full color map display and seeing the
> location of every mobile HAM within 30 miles!  Setting aside a single
> GPS status and position reporting simplex VOICE frequency NOW, will make
> this happen!
>

My suggestion would be to pick a freq and then hope for the best.  I am sure that will get some folks upset, but you know what the issues are now from when the current APRS freq was picked -- so I think you and various APRS groups should be able to avoid those issues to some extent now. Simplex operations is just that.  Pick a simplex freq and say -- let's start using that and see what happens.  This is amateur radio and we all have just as much right to be on operating as anyone else does.

Pick a freq and listen on it for a week or so.  If no one has a schedule event on it -- then you might ask others to take a listen and see what they hear.  After a while, and a few freqs in a certain range, it might be possibel to select something that seems to be right.

Just a few personal thoughts.

Cheers - Greg

-----
Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
http://www.tapr.org/~wd5ivd
-----

## 334. Re: Mic-E on 146.52 (WAS: UHF Frequency)

From: Arte Booten <n2zrc@webspan.net>
Date: Sun, 11 May 1997 08:41:58 -0400
To: aprssig@tapr.org
Message-ID: <3375BE96.378@webspan.net>
Rendered body type: text/plain

Hi all,

Commander Bob replied to Patrick Cook, who wrote:

>>If someone is monitoring 146.52, all he's going to hear is a "Brraap!"

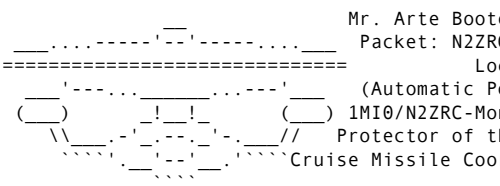
with:

>... if his TNC hears that, he will SEE WHO it is and WHERE he is.  If
>he doesn't have a TNC, then he'll KNOW that a Mic-E is nearby ...

I think this is the old "fly on the painting" syndrome, Bob. You may be too close to the situation to see the fallacy. Not everybody monitoring 146.52 knows what a Mic-E is! Those of us in APRS, yes. Members of TAPR, maybe. I doubt that even the general populace of ex-experienced (non-APRS) packeteers is aware of it's existence, much less those casually monitoring the "National FM Simplex Channel."

I think if I were monitoring 146.52, wasn't aware of the Mic-E, & heard it there, I'd think that some darned fool decided to play packet on the phone simplex frequency and start to (figuratively, if not literally) start cursing them out for operating where they're not supposed to be!

Now, if one were to actually call CQ on phone, FOLLOWED by such a "Brraap," that would make more sense to me, the "non-Mic-E-aware" ham.
73
--


Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W

... But those coordinates are deep within the planetoid ...

## 335. Re: [APRSSIG:12448] Stand-Alone Tracker

From: Jack Anderson <jra@crosslink.net>
Date: Sun, 11 May 1997 23:19:51 -0400
To: RayN8AGB@aol.com, aprssig@tapr.org
Message-ID: <2.2.32.19970512031951.006926d0@jra.pop.crosslink.net>
Rendered body type: text/plain

At 05:13 PM 5/11/97 -0500, RayN8AGB@aol.com wrote:
>Perhaps the quiestion should be, "Where do I go from here?"

This is a repeat of a message I posted a few months ago regarding interfacing the Tripmate GPS to a KPC-3...for some reason, it's not available on the TAPR mail archives yet, but this might help you out.

-Jack N4ULS

---

After receiving several requests to send my "Tripmate to KPC-3" setup here and in private email, I decided to document my setup and post it here. Please feel free to add this to any APRS or Tripmate FAQs in existence. Much of the information listed here comes from a sig post by Bill Kearns on 12/29/96, describing the steps taken by WB6JAR, N6KZB and WK5M to get it working right. I've added the little embellishments that I used to customize the setup for my installation.

1. Install a 4.7K resistor at R48 on KPC-3 printed circuit board.

This raises DSR on the KPC-3 RS-232 interface, which is connected to the DTR lead of the Tripmate RS-232 interface. On/off for the Tripmate is controlled by the DTR lead.

2. Build the KPC-3 to Tripmate Adapter Cable.

I used shielded DB-9M and DB-25M connectors for mine, with about 4" of shielded, 4 conductor data cable in between. Note that pins 2 and 3 in the DB-9M are connected together. This enables the Tripmate to "self start", since the Tripmate sends out the required initialization string on its TXD when powered up. The adapter cable also interfaces the data output of the Tripmate to the KPC-3, and the KPC-3 DSR signal to DTR on the Tripmate, to activate the GPS unit.

KPC-3 to Tripmate Adapter Cable:

```
                            |-----3

7---------------------------------5

6---------------------------------4
```

3.  Configure KPC-3 for GPS operations.

Except where noted, factory default parameters are used.  My personal setup:

General parameters-

```
MYCALL N4ULS-9
ABAUD  4800
BTEXT  Tripmate standalone tracker, no terminal.  <jra@crosslink.net>
BEACON every 20 (20 mins)
UNPROTO BEACON VIA WIDE,WIDE
```

GPS parameters-

```
GPSHEAD 1 $GPRMC
GPSHEAD 2 $GPRMC
GPSHEAD 3 $GPRMC
GPSHEAD 4 $GPRMC

LTP 1 APRS
LTP 2 APRS VIA RELAY,WIDE
LTP 3 APRS VIA RELAY,WIDE,WIDE
LTP 4 APRS VIA WIDE,WIDE

BLT 1 EVERY 00:00:35 (frequent posit updates into local stations-uses LTP 1)
BLT 2 EVERY 00:02:00 (good for local area-uses LTP 2)
BLT 3 EVERY 00:04:25 (wide area propagation-uses LTP 3)
BLT 4 EVERY 00:04:35 (wide area propagation-uses LTP 4)
```

Remote sysop parameters-

```
MYREMOTE <insert your remote sysop alias here
RTEXT    <insert your remote sysop password text here
```

(Remote sysop capability is a real plus.  I use my home station to change mobile tracker parameters without bringing the TNC indoors to a PC.  Use with caution - some commands will "break" the TNC, making it necessary to disconnect it and bring it in to software or hardware reset the unit.)

Final command, then power down unit-

```
INTERFACE GPS  (sets KPC-3 up to parse NMEA data from the Tripmate)
```

When KPC-3 is powered on, it will come up in GPS mode, looking for the NMEA sentences preceded by the $GP* headers listed in GPSHEAD 1-4.  To get the CMD: prompt back, connect a PC to the unit running 4800,N,8,1, power the KPC-3 on and after a few seconds, type CONTROL-C three times.  Don't forget to issue the INT GPS command after you are finished to restore the GPS mode.

4. Installation

Connect the TNC to your radio using the normal interface methods for your radio model.  Connect the GPS to the KPC-3 using the adapter cable described above.  Connect all equipment to your car's 12 VDC power source, preferable a direct, fused connection to the car battery.  Provide power to the Tripmate using internal batteries or an external power source (see Other Notes below).  Place the Tripmate in a location where it has a clear view of the sky.

Power on all equipment and monitor a separate TNC and PC running APRS or a terminal program for activity.  If everything is configured correctly, you should see packets timed coinciding with the BLT parameters that you set in the KPC-3.  Valid position information will be transmitted once the Tripmate has a chance to acquire locks on the visible satellites.

Other notes:

My entire setup consists of a Yaseu HT, 35 watt power amp and KPC-3 mounted
in a plastic carrying case salvaged from an old Canon miniature electronic
typewriter.  This box is mounted in the trunk.  All equipment is connected
directly to the car battery, and left powered on at all times (also known as
"Poor Man's Lojack").  The Tripmate rides on the shelf behind the rear seat,
viewing satellites through the rear window of the car.  Hook-side Velcro
keeps the equipment box from sliding around in the carpeted trunk, and also
keeps the Tripmate in one place on the carpeted rear shelf.

I purchased the Delorme power cable set, and use the Tripmate cigarette
lighter cable in the Canon plastic box to supply power to the Tripmate.
This gives me a lot of flexibility if I ever need to take JUST the Tripmate
out and use it in another vehicle. An alternative would be to use one of the
many methods of feeding regulated +6 VDC on the Tripmate RS-232 Pin 9, and
jumpering the center and (+) pins of the battery connector together to
supply power to the Tripmate.  Relying on battery power alone is probably
not viable for a standalone tracker.

I make extensive use of the KPC-3 remote sysop capabilities to change
parameters.  For example, when parked in my driveway, I'll back off the BLT
times to avoid dumping repetitive posit info on the busy local APRS net.
jra@crosslink.net - at play
janderson@rcc.com - at work

Northern Virginia javAPRS:  http://www.crosslink.net/~jra/aprs

=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

## 336. J-Track

From: n1rhl@juno.com (Jim Bradshaw)
Date: Sun, 11 May 1997 23:21:15 EDT
To: aprssig@tapr.org
Message-ID: <19970511.232112.13358.0.N1RHL@juno.com>
Rendered body type: text/plain

I don't know how many of you have seen this yet but if you would like to
see a
Java space tracker that will knock your socks off try this URL.

http://liftoff.msfc.nasa.gov/home/mission/jtrack/welcome.html

You gotta check out the weather overlay...

This will also be handy to track the shuttle also..


Jim N1RHL

## 337. MAP HELP

From: thomasr@ten-nash.ten.k12.tn.us
Date: Sun, 11 May 1997 22:22:49 -0600 (CST)
To: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970511221856.539113575B-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

does anyone know of an aprs compatible map that includes
the applachian trail? we are especially interested in
the east tennessee / north carolina segment. thanks in
advance.

73, bob thomas, ks4ng

## 338. Re: [APRSSIG:12452] Problem with WinAPRS 1.4x

From: rwf <rwf@mindspring.com>
Date: Sun, 11 May 1997 23:28:43 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970511231635.00a34678@ccegate.cokecce.com>
Rendered body type: text/plain

I was wondering where all those were coming from!  We have seen several of
those  all zero stations in our net recently.



At 06:53 PM 5/11/97 -0500, you wrote:
>
>If you want to track weather stations, and go into the Settings |
>Weather menu to turn on "Track WX Stations", you have just turned

>yourself into a manual weather station... reporting zeros for all
>values.

## 339. Re: [APRSSIG:12455] Re: SIGNS,, re: UHF Frequency Thread -Reply

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 12 May 1997 00:15:29 -0400 (EDT)
To: BF4SMK3@cheshub1.bell-atl.com
Cc: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970511235620.3621I-100000@arctic>
Rendered body type: text/plain

Concerning the persons desire to have road signs to identify local frequenices and repeaters to travelers, there is a MUCH better way and it is simple and effective. This is NOT APRS necessarily but it is one of my neat ideas.... hi hi

1) WHereas every traveler away from home wants an easy method to identify repeaters within range of him, AND

2) Whereas kerchunking is considered bad practice and inconsiderate, AND

3) Whereas a repeater IN-USE is self-identifying, THEREFORE

All we need is a mechanism for repeaters that are NOT in use to identify themselves to the traveler. Periodic ID's on the repeater OUTPUT are not desired due to the anoyance factor. The answer is simple.

Have repeaters NOT in use, periodically, say once every few seconds blip out a short carrier on their OWN INPUT. Since is the repeater itself that is kerchunking its own input frequencey it will not hear it and will not bring up the repeater. ALso, since the blip only lasts 1/2 second, it will not deny anyone access to the repeater for more than 1/2 second. Most repeater controllers already have 1/2 second or more kerchunk filters built in anyway. SO this BLIP-on-input signal will be transparent to users and normal repereater operations.

BUT IT WILL PROVIDE A SIGNAL TO ALL OF ITS COVERAGE AREA, THAT IT IS ALIVE AND WELL AND ON LINE...

Travelers simply flip their rig to reverse, dial through the band, and in seconds they know what repeaters are nearby and what their relative signal strength is. ALl of this wihtout KERCHUNKING and bothering the locals.

I call this my "I-AM-IDLE" function for voice repeaters. Of course instead of a dead carreir, if a 0.3 second APRS-Mic-Encoder format packet were transmitted, then not only would travelres HEAR the repeater, but it would show up on their APRS maps complete with coverage circle!!!

I think this idea should be circulated through some of the repeater special interest groups for consideration. Obviously for co-channel repeaters, this would be a problem, but is also easily solved with the existing 0.5 second kerchunk filters in the repeater controllers. As long as any one repeater's "I-AM-IDLE" blip is shorter than everyone elses kerchunk filter, then there would be no mutual problem between multiple repeaters on the same frequency even during band openings...

## 340. Re: [APRSSIG:12447] Re: Need KPC-3/Tripmate Clarification

From: "James P. Gill" <jimgill@probe.net>
Date: Sun, 11 May 1997 23:40:30 -0500
To: jra@crosslink.net
Cc: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <33769F3C.CB280174@probe.net>
Rendered body type: text/plain

Jack,

Indeed the KPC-3 PLUS does not have R48 at all, among other differences. Ken KF4COH pointed out to me directly that the KPC-3 **PLUS** has DTR raised all the time, presumably whenever powered up. I have been able to get/make the right ends to get my Tripmate plugged in yet; will report what I find out.

The owners manual for the new KPC-3+ also differs from the older KPC-3. Here is the firmware info from my new unit:

KANTRONICS KPC3P VERSION 7.0
(C) COPYRIGHT 1997 BY KANTRONICS INC. ALL RIGHTS RESERVED.
DUPLICATION PROHIBITED WITHOUT PERMISSION OF KANTRONICS.

cmd:ver
KPC3P-52047085-7.0
cmd:

The circuit board of my KPC3+ has a date stamp of 0597.

Incidentally, I received this new KPC-3+ 128k RAM model from AES last
week.  It arrived with a 32k RAM chip (28 pin DIP) in the 32 pin memory
socket inside the unit, and the 128k RAM (32 pin DIP) chip in a plastic
chip carrier seperate from the TNC, with a note from Kantronics giving
installation instructions.  Kantronics says to keep the 32k chip as a
backup (or a parting gift as they say on the game shows...).
---
Jack Anderson wrote:

> These instructions apply to the KPC-3 model.  The KPC-3+ probably
> has an
> entirely different procedure, perhaps a software command.  Check the
> index
> and see if you can find the command or instructions to make "DSR"
> active.
>
> Jack N4ULS
>
> At 10:59 PM 5/10/97 -0500, James P. Gill wrote:
> >I just received my KPC-3 Plus to use with a Tripmate as an
> autotracker.

## 341. repeaters generating packet on their own inputs.

From: rwf <rwf@mindspring.com>
Date: Mon, 12 May 1997 08:10:46 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970512081025.0073078c@ccegate.cokecce.com>
Rendered body type: text/plain

PLEASE DO NOT CIRCULATE THIS SUGGESTION!!!


How am I gonna explain to the repeater owner 100 miles away on the same
frequency why I am kerchunking their input with packet every few seconds.

I am playing Devil's Advocate here- not flaming.  Read on...

At 11:15 PM 5/11/97 -0500, you wrote:
>Concerning the persons desire to have road
>Have repeaters NOT in use, periodically, say once every few seconds
>blip out a short carrier on their OWN INPUT.  Since is the repeater
>itself that is kerchunking its own input frequencey it will not hear it
>and will not bring up the repeater.  ALso, since the blip only lasts 1/2
>second, it will not deny anyone access to the repeater for more than 1/2
>second.  Most repeater controllers already have 1/2 second or more
>kerchunk filters built in anyway.  SO this BLIP-on-input signal will be
>transparent to users and normal repereater operations.
>
>BUT IT WILL PROVIDE A SIGNAL TO ALL OF ITS COVERAGE AREA, THAT IT IS
>ALIVE AND WELL AND ON LINE...
>


And all other co channel repeaters, too!


>Travelers simply flip their rig to reverse, dial through the band, and
>in seconds they know what repeaters are nearby and what their relative
>signal strength is.  ALl of this wihtout KERCHUNKING and bothering the
>locals.
>

Only the people far away.  And YOU will hear on your local repeater the
Idle signals of the co channel machines 100 miles away from yours... an
added bonus.  But if they had their coordinates in the packet and you had a
Mic E TNC on your machine, then you would see their repeater's position.


>
>I think this idea should be circulated through some of the repeater
>special interest groups for consideration.  Obviously for co-channel
>repeaters, this would be a problem, but is also easily solved with the
>existing 0.5 second kerchunk filters in the repeater controllers.

Not all have them. As a matter of fact, not many have them. And the ones
that complain would most certainly be the dinky repeaters who will not
listen to ANY technical talk justifying the packet OR the need for the timer.


I think this is a bad idea, and I also think that if it circulates we will
be subjected to all sorts of ridicule and hostility by misunderstanding
people.

PLEASE DO NOT CIRCULATE THIS SUGGESTION

## 342. Re: [APRSSIG:12463] MAP HELP

From: rwf <rwf@mindspring.com>
Date: Mon, 12 May 1997 08:10:46 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970512075926.00a2b044@ccegate.cokecce.com>
Rendered body type: text/plain

I have the USGS 100,000:1 CD for NC/SC/GA.  If someone wanted to refresh me
on which mapmaking version allowed trails to be shown, I could make you a
NC map. One of the mapmaking programs had an option for trails I think.
You'd want probably 1 map with the AT and major hiways.

I could extract the data and send to you or someone else to do it. I just
don't have time to go back and try to remember how to do it (with Dayton
looming).



At 10:27 PM 5/11/97 -0500, you wrote:
>does anyone know of an aprs compatible map that includes
>the applachian trail? we are especially interested in
>the east tennessee / north carolina segment. thanks in
>advance.
>
>73, bob thomas, ks4ng
>
>
>
Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 343. Balloon Launch Coverage

From: mmorg@juno.com (Myrle H Morgan)
Date: Mon, 12 May 1997 08:17:18 est
To: aprssig@tapr.org
Message-ID: <19970512.081820.4975.0.MMORG@juno.com>
Rendered body type: text/plain

Good Morning America just showed a short clip of the Mid Atlantic
Balloon/Rocket launch during it's news segment at 8:00AM this morning.


Best Regards,    Myrle  - K1HJC -
**********
Myrle H. Morgan  / PO Box 32 / 572 Chester Turnpike / Candia NH
03034-0032
Phone: (603) 483-5117
E-mail:  mmorg@juno.com
**********

## 344. Balloon Launch Coverage

From: mmorg@juno.com (Myrle H Morgan)
Date: Mon, 12 May 1997 08:39:16 est
To: aprssig@tapr.org
Message-ID: <19970512.083951.6655.0.MMORG@juno.com>
Rendered body type: text/plain

Oooops!  In my previous message, I forgot to mention that the coverage
was on
the ABC network, for those who are not followers of Good Morning America.

>Good Morning America just showed a short clip of the Mid Atlantic
Balloon/Rocket >launch during it's news segment at 8:00AM this morning.

Best Regards,    Myrle  - K1HJC -
**********
Myrle H. Morgan  / PO Box 32 / 572 Chester Turnpike / Candia NH
03034-0032
Phone: (603) 483-5117
E-mail:  mmorg@juno.com
**********

## 345. Re: [APRSSIG:12465] Re: SIGNS,, re: UHF Frequency Thread -Reply

From: Demos Doulou <ddoulou@gte.net>
Date: Mon, 12 May 1997 09:51:21 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970512095121.00718c40@mail.gte.net>
Rendered body type: text/plain

At 11:17 PM 5/11/97 -0500, Bob Bruninga wrote:
>Concerning the persons desire to have road signs to identify local
>frequenices and repeaters to travelers, there is a MUCH better way and it
>is simple and effective.  This is NOT APRS necessarily but it is one of my
>neat ideas.... hi hi
>
>1)  WHereas every traveler away from home wants an easy method to
>identify repeaters within range of him, AND
>
>2)  Whereas kerchunking is considered bad practice and inconsiderate, AND
>
>3)  Whereas a repeater IN-USE is self-identifying, THEREFORE
>

This is simple,  have all repeaters use CTCSS tone on the receiver and
transmitter.  All of our ares/races/SKYWARN machines, and a lot of the club
machines are now requiring tone for access.  Our machines also transmit
tone and are set to id continuously every 10 minutes regardless of use.
The controllers drop the transmit tone during the id if the repeaters are
not in use at that time, so those amateurs that have CTCSS decode never
hear the continuos id.  It also keeps the users 100 miles away from keying
up the machines during band openings.

Demos Doulou
ddoulou@gte.net
KR4US   kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 346. REPEATER "I-AM-IDLE" idea

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 12 May 1997 10:03:43 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970512095713.21606H-100000@arctic>
Rendered body type: text/plain

The reality of the "I-AM-IDLE" idea is that it will never happen because
of CO-CHANNEL problems.  THese problems are solvable, but in reality, no
repeater can transmit "I-AM-IDLE" until ALL surrounding co-channel
repeaters have their Kerchunk filters adjusted.

In the real world of amateur radio.  This will never happen.  Such global
change is impossilble.  Forget the idea.

## 347. DAYTON Web Page

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 12 May 1997 10:24:51 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.GSO.3.95.970512101741.5161A-100000@arctic>
Rendered body type: text/plain

OK, we got it all running automatic on this end now.  Every hour on the
hour the dayton.tnc file will be retrieved from my anonymous ftp area to
update my DAYTON WEB page.  Now all we need is someone to do the automatic
FTP to my site.  For security, I am not going to publish this account, but

will give the address to you for uploading if you have this capability.

See DAYTON LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html

See  APRS  LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 348. Re: [APRSSIG:12472] REPEATER "I-AM-IDLE" idea

From: Demos Doulou <ddoulou@gte.net>
Date: Mon, 12 May 1997 10:24:54 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970512102454.0071b2f4@mail.gte.net>
Rendered body type: text/plain

At 09:05 AM 5/12/97 -0500, Bob Bruninga wrote:
>The reality of the "I-AM-IDLE" idea is that it will never happen because
>of CO-CHANNEL problems.  THese problems are solvable, but in reality, no
>repeater can transmit "I-AM-IDLE" until ALL surrounding co-channel
>repeaters have their Kerchunk filters adjusted.

Forgot to mention,  we do not run kerchunk filters because there is a delay
of .25 to .5 seconds when running tone access.  Wish all repeaters would
run tone.
73

Demos Doulou
ddoulou@gte.net
KR4US  kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 349. Re: I AM IDLE

From: Jerry Wyatt <jawyatt@primenet.com>
Date: Mon, 12 May 1997 08:40:30 -0700
To: aprssig@tapr.org
Message-ID: <337739EE.279C@primenet.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>[snip]
>
> Have repeaters NOT in use, periodically, say once every few seconds
> blip out a short carrier on their OWN INPUT.  Since is the repeater
> itself that is kerchunking its own input frequencey it will not hear it
> and will not bring up the repeater.  ALso, since the blip only lasts 1/2
> second, it will not deny anyone access to the repeater for more than 1/2
> second.  Most repeater controllers already have 1/2 second or more
> kerchunk filters built in anyway.  SO this BLIP-on-input signal will be
> transparent to users and normal repereater operations.

Last time I checked, repeaters don't transmit on their input, therefore
you are talking of putting up another transmitter on site. Sites
generally
change per transmitter. $$$$

>
> BUT IT WILL PROVIDE A SIGNAL TO ALL OF ITS COVERAGE AREA, THAT IT IS
> ALIVE AND WELL AND ON LINE...

For this additional transmitter to output "to all its coverage area" it
must have same power and same/similar antenna.  What is that going to do
to the input of the existing repeater?  So are we sharing repeater
antenna with a multiplexor device or do we now have a new antenna also!
$$$

I see lots of dollars here, am I all wet?

Jerry Wyatt
member ARA, CAP and Cactus repeater systems
ARA maintains about 19 repeaters in AZ.
CAP maintains about 10 repeaters in AZ.

## 350. Which hand held GPS?

From: Ciemon Dunville <ciemon.d@virgin.net>
Date: Mon, 12 May 1997 19:33:58 +0100

To: Tapr SIG <aprssig@tapr.org>
Message-ID: <33776296.4043@virgin.net>
Rendered body type: text/plain

Which is the most appropriate hand held GPS to buy at the moment? I'm not going to dedicate it to APRS at the moment due to the lack of activity in GI so it'll need to be able to "fly and walk" as well.

## 351. [APRSSIG:12390] re: UHF Frequency Thread -Reply -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Mon, 12 May 1997 13:54:21 -0500
To: needhame@3lefties.com, aprssig@tapr.org
Message-ID: <s3772249.005@mail.rkd.snds.com>
Rendered body type: text/plain

>>> Earl Needham wrote;
I've (occasionally) crossed a state line or come to a large city while
driving cross-country and seen one of the green "info" signs on the interstate
telling about repeaters, etc. The last time I saw a sign like this was when
approaching Alamogordo from the east. The sign was explaining the power limits
in that area for 450 MHz. Guess the military uses RADAR near that frequency in
that area, or something.
Why don't we look into such signs for areas where the network is
well-developed and people travel through?

GReat Idea Earl;
A member of our club proposed that about 4 years ago and was
supposed to be looking into it. He subsequently got caught with his
fingers in the club "cookie jar" and that project along with others got
forgotten about. It is about time we start looking into it again!
73, Paul WA9FFL
o~
_[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

## 352. frequencies in use?

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Mon, 12 May 1997 14:07:40 -0500
To: ve3nec@peel.com
Cc: aprssig@tapr.org
Message-ID: <s3772522.021@mail.rkd.snds.com>
Rendered body type: text/plain

Hi ALL;
Later this month I am going to drive to RENO, NV. is there any activity
there or on the way? From there to Milwaukee, Oregon. I Would like to
know if there is any different frequencies involved in those 2 places and between.
Thanks, Paul WA9FFL

o~
_[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

## 353. Interrupt 2F

From: mmorg@juno.com (Myrle H Morgan)
Date: Mon, 12 May 1997 15:51:19 est
To: aprssig@tapr.org
Message-ID: <19970512.155153.4639.0.MMORG@juno.com>
Rendered body type: text/plain

Adding "interrupt 2F" is the greatest improvement I've seen in APRS791.
I run APRS under Windows for Workgroups 3.11 on a 386sx 16 Mhz machine and
whenever I've run past versions of APRS in the background, WWG 3.11 slowed
down to a crawl. Now, with version 791, you'd hardly know that anything was
running in the background.....it's GREAT. Thanks, Bob!!

Best Regards,    Myrle  - K1HJC -
**********
Myrle H. Morgan  / PO Box 32 / 572 Chester Turnpike / Candia NH
03034-0032
Phone: (603) 483-5117
E-mail:  mmorg@juno.com
**********

## 354. Definitions

From: Ciemon Dunville <ciemon.d@virgin.net>
Date: Mon, 12 May 1997 19:44:06 +0100
To: Tapr SIG <aprssig@tapr.org>
Message-ID: <337764F6.60D5@virgin.net>
Rendered body type: text/plain

Could someone please define kerchunking. It's a new one on me.

Thanks....Ciemon GI0TRT

## 355. Re: [APRSSIG:12447] Re: Need KPC-3/Tripmate Clarification

From: Jack Anderson <jra@crosslink.net>
Date: Mon, 12 May 1997 16:38:16 -0400
To: "James P. Gill" <jimgill@probe.net>
Cc: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <2.2.32.19970512203816.00692da4@jra.pop.crosslink.net>
Rendered body type: text/plain

Keep in mind that most of the KPC3->Tripmate instructions call for the
construction of a cable that ties the KPC3 DSR signal to the Tripmate DTR
signal. Keep this in mind when you build your KPC3+ (DTR) adapter cable.

Good luck,

Jack


At 11:40 PM 5/11/97 -0500, James P. Gill wrote:
>Jack,
>
>Indeed the KPC-3 PLUS does not have R48 at all, among other
>differences.  Ken KF4COH pointed out to me directly that the KPC-3
>**PLUS** has DTR raised all the time, presumably whenever powered up.  I
>have been able to get/make the right ends to get my Tripmate plugged in
>yet; will report what I find out.
>
>The owners manual for the new KPC-3+ also differs from the older KPC-3.
>Here is the firmware info from my new unit:
>
>KANTRONICS KPC3P VERSION 7.0
>(C) COPYRIGHT 1997 BY KANTRONICS INC.  ALL RIGHTS RESERVED.
>DUPLICATION PROHIBITED WITHOUT PERMISSION OF KANTRONICS.
>cmd:ver
>KPC3P-52047085-7.0
>cmd:
>
>The circuit board of my KPC3+ has a date stamp of 0597.
>
>Incidentally, I received this new KPC-3+ 128k RAM model from AES last
>week.  It arrived with a 32k RAM chip (28 pin DIP) in the 32 pin memory
>socket inside the unit, and the 128k RAM (32 pin DIP) chip in a plastic
>chip carrier seperate from the TNC, with a note from Kantronics giving
>installation instructions.  Kantronics says to keep the 32k chip as a
>backup (or a parting gift as they say on the game shows...).
>----------
>Jack Anderson wrote:
>
>> These instructions apply to the KPC-3 model.  The KPC-3+ probably
>> has an
>> entirely different procedure, perhaps a software command.  Check the
>> index
>> and see if you can find the command or instructions to make "DSR"
>> active.
>>
>> Jack N4ULS
>>
>> At 10:59 PM 5/10/97 -0500, James P. Gill wrote:
>> >I just received my KPC-3 Plus to use with a Tripmate as an
>> autotracker.

><HTML><BODY>
>Jack,
><BR>
><BR>Indeed the KPC-3 PLUS does not have R48 at all, among other
differences. 
>Ken KF4COH pointed out to me directly that the KPC-3 **PLUS** has DTR raised
>all the time, presumably whenever powered up.  I have been able to
>get/make the right ends to get my Tripmate plugged in yet; will report
>what I find out.
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><BR>The owners manual for the new KPC-3+ also differs from the older
KPC-3. 
>Here is the firmware info from my new unit:
><BR>
><BR>KANTRONICS KPC3P VERSION 7.0
><BR>(C) COPYRIGHT 1997 BY KANTRONICS INC.  ALL RIGHTS RESERVED.
><BR>DUPLICATION PROHIBITED WITHOUT PERMISSION OF KANTRONICS.
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><BR>KPC3P-52047085-7.0
><BR>cmd:
><BR>
><BR>The circuit board of my KPC3+ has a date stamp of 0597.
><BR>
><BR>Incidentally, I received this new KPC-3+ 128k RAM model from AES last
week. 
>It arrived with a 32k RAM chip (28 pin DIP) in the 32 pin memory socket
>inside the unit, and the 128k RAM (32 pin DIP) chip in a plastic chip carrier
>seperate from the TNC, with a note from Kantronics giving installation
>instructions.  Kantronics says to keep the 32k chip as a backup (or
>a parting gift as they say on the game shows...).
><BR>----------
><BR>Jack Anderson wrote:
>
><BLOCKQUOTE TYPE=CITE>These instructions apply to the KPC-3 model. 
>The KPC-3+ probably has an
><BR>entirely different procedure, perhaps a software command.  Check the
>index
><BR>and see if you can find the command or instructions to make "DSR" active.
><BR>
><BR>Jack N4ULS
><BR>
><BR>At 10:59 PM 5/10/97 -0500, James P. Gill wrote:
><BR><I>>I just received my KPC-3 Plus to use with a Tripmate as an
autotracker.</I>
></BLOCKQUOTE>
>
>
></BODY>
></HTML>
>
janderson@rcc.com - at work
jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

## 356. R: [APRSSIG:12421] APRSSIG digest 1011

From: Roberto <roberto@ge.itline.it>
Date: Mon, 12 May 1997 22:40:35 +0200
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <01BC5F25.893F7FC0@roberto>
Rendered body type: text/plain

unscribe

## 357. Re: [APRSSIG:12467] repeaters generating packet on their own inputs.

From: Jack Anderson <jra@crosslink.net>
Date: Mon, 12 May 1997 16:46:05 -0400
To: rwf@mindspring.com, aprssig@tapr.org
Message-ID: <2.2.32.19970512204605.0069f024@jra.pop.crosslink.net>
Rendered body type: text/plain

It's a good idea, but I think the packet needs to be on the output frequency.

CTCSS ON  = voice traffic
CTCSS OFF = packet

All (or nearly all) modern rigs have CTCSS decode, so the voice users
needn't be bothered.

A brief packet every 5 or 10 minutes during idle periods to send a few

hundered bytes of local info might not be a bad idea at all.

Jack

At 07:13 AM 5/12/97 -0500, rwf wrote:
>PLEASE DO NOT CIRCULATE THIS SUGGESTION!!!
>
>
>How am I gonna explain to the repeater owner 100 miles away on the same
>frequency why I am kerchunking their input with packet every few seconds.
>
>I am playing Devil's Advocate here- not flaming.  Read on...
>
>At 11:15 PM 5/11/97 -0500, you wrote:
>>Concerning the persons desire to have road
>>Have repeaters NOT in use, periodically, say once every few seconds
>>blip out a short carrier on their OWN INPUT.  Since is the repeater
>>itself that is kerchunking its own input frequencey it will not hear it
>>and will not bring up the repeater.  ALso, since the blip only lasts 1/2
>>second, it will not deny anyone access to the repeater for more than 1/2
>>second.  Most repeater controllers already have 1/2 second or more
>>kerchunk filters built in anyway.  SO this BLIP-on-input signal will be
>>transparent to users and normal repereater operations.
>>
>>BUT IT WILL PROVIDE A SIGNAL TO ALL OF ITS COVERAGE AREA, THAT IT IS
>>ALIVE AND WELL AND ON LINE...
>>
>
>
>And all other co channel repeaters, too!
>
>
>>Travelers simply flip their rig to reverse, dial through the band, and
>>in seconds they know what repeaters are nearby and what their relative
>>signal strength is.  ALl of this wihtout KERCHUNKING and bothering the
>>locals.
>>
>
>Only the people far away.  And YOU will hear on your local repeater the
>Idle signals of the co channel machines 100 miles away from yours... an
>added bonus.  But if they had their coordinates in the packet and you had a
>Mic E TNC on your machine, then you would see their repeater's position.
>
>
>>
>>I think this idea should be circulated through some of the repeater
>>special interest groups for consideration.  Obviously for co-channel
>>repeaters, this would be a problem, but is also easily solved with the
>>existing 0.5 second kerchunk filters in the repeater controllers.
>
>
>Not all have them. As a matter of fact, not many have them. And the ones
>that complain would most certainly be the dinky repeaters who will not
>listen to ANY technical talk justifying the packet OR the need for the timer.
>
>
>I think this is a bad idea, and I also think that if it circulates we will
>be subjected to all sorts of ridicule and hostility by misunderstanding
>people.
>
>PLEASE DO NOT CIRCULATE THIS SUGGESTION
>
janderson@rcc.com - at work
jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

## 358. Re: [APRSSIG:12480] Definitions

From: Jack Anderson <jra@crosslink.net>
Date: Mon, 12 May 1997 16:51:40 -0400
To: ciemon.d@virgin.net, aprssig@tapr.org
Message-ID: <2.2.32.19970512205140.00698ec8@jra.pop.crosslink.net>
Rendered body type: text/plain

It's the sound a repeater makes when one briefly keys their radio on the
input frequency, without talking.

"kerCHUNK"

Really applies to repeaters where you can hear a short squelch tail burst

after unkeying, i.e., the "chunk".

The practice is discouraged in the U.S., since it consititutes an
unidentified transmission, and is generally thought to cause loss of hair in
most repeater owners.  Still, many do it simply as a quick test to see if
they can "hit" the "machine".

Jack



At 03:31 PM 5/12/97 -0500, Ciemon Dunville wrote:
>Could someone please define kerchunking. It's a new one on me.
>
>Thanks....Ciemon GI0TRT
>
janderson@rcc.com - at work
jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

## 359. RE: [APRSSIG:12480] Definitions

From: "Dicke, Daniel O." <DICKED@pcmail02.systems.gec.com>
Date: Mon, 12 May 97 17:03:00 EDT
To: aprssig <aprssig@tapr.org>
Message-ID: <337785E3@pcmail.systems.gec.com>
Rendered body type: text/plain

If you here the repeater key up for a second and then clear off, that is
kerchunking.
 ----------
From: aprssig
To: aprssig
Subject: [APRSSIG:12480] Definitions
Date: Monday, May 12, 1997 3:31PM

Could someone please define kerchunking. It's a new one on me.

Thanks....Ciemon GI0TRT

## 360. RE: [APRSSIG:12476] Which hand held GPS?

From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Mon, 12 May 1997 14:04:00 -0500
To: aprssig@tapr.org
Cc: ciemon.d@virgin.net
Message-ID: <M832619.024.36m1p.1.9705122106312.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain

For what it is worth, This is my opinion.  Garmin, Eagle and Magellan
are the major manufactories of handheld GPS units.

I have had direct experience with Garmin and Magellan.  I have noticed
that the Garmin units tend to be better receivers.  The 12XL is a stable
unit, but the GPS II+ is coming out mid-May and may be an excellent
choice.  My only concern with the GPS II+ is that GPS II was RF sensitive.
This was label by Garmin to be a bad Power Regulator, but I have not heard
anyone claim it is fixed as good as the 12XL works.  Garmin 12XL and the
GPS II+ will both use the a 12 channel parallel engine while the GPS II and
XL45 use a multitrak 8 engine.

My preference at this point is to look into the GPS II+.  If it still has the RF

sensitivity seen in the GPS-II, that the 12XL is the best choice, if not the
features of the GPS-II+ are great.

73

Brian McCarthy
N7TUQ

-----Original Message-----
From:   aprssig@tapr.org@INTERNET
Sent:   Monday, May 12, 1997 1:40 PM
To:     aprssig@tapr.org@INTERNET
Subject:        [APRSSIG:12476] Which hand held GPS?

Message authorized by:
    : ciemon.d@virgin.net@INTERNET at #EMAIL

Which is the most appropriate hand held GPS to buy at the moment? I'm
not going to dedicate it to APRS at the moment due to the lack of
activity in GI so it'll need to be able to "fly and walk" as well.

## 361. Re: repeaters generating packet on their own inputs.

From: henryvb <henryvb@dpliv.com>
Date: Mon, 12 May 1997 17:18:20 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <3377972C.2D2A@dpliv.com>
Rendered body type: text/plain

APRBob wrote, and Ralph replied:
>
> PLEASE DO NOT CIRCULATE THIS SUGGESTION!!!
>
>
> How am I gonna explain to the repeater owner 100 miles away on the same
> frequency why I am kerchunking their input with packet every few seconds.
>
(remainder deleted)

It's called PL/CTCSS folks, I still can't believe the repeater owners
too cheap to install PL on the input of their repeaters.  It's easy to
know who they are, they're the ones complaining when the band opens and
we hit machines 200 miles away from Chicago with 25 watts on the input.
If my signal could get to them due to a band opening and they had PL,
their radios wouldn't open up.  I don't want to get a long thread
started here on PL/no PL, but if folks had it, then Bob's idea would not
cause them problems.

Y'all can argue the merits of the rest of Bob's proposal, but it's End
of Thread on my response.  I'm not in the mood to discuss the value of
PL, which I've already proven, and there's just too many things to do
before Dayton.

Henry
N9WMM
henryvb@dpliv.com

## 362. Re: repeaters generating packet on their own inputs.

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 12 May 1997 18:46:54 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970512184233.006c7fac@coca.net>
Rendered body type: text/plain

>At 11:15 PM 5/11/97 -0500, you wrote:
>>Have repeaters NOT in use, periodically, say once every few seconds
>>blip out a short carrier on their OWN INPUT.  Since is the repeater
--------snip---------

This is an interesting idea, but here's an easier one.  Many repeaters use
a "K" as a CW courtesey beep.  Many (like Stone Mtn in Atlanta area use a
"P" for the c-beep when PL tones are active.  Lets just use the letter "A"
as a c-beep when the repeater supports aprs (heck, it's shorter than the K
most repeaters are already using.)  If you want to know where the repeater
is located, then the MIC-E gate at the site can transmit any information
needed on 145.79... coordinates, city, voice frequency, etc...  Lets keep
as much packet off the voice channels as possible.  At least packet on the
input freq can be muted.  It sure is a shame we can't use 9600 packet for
the MIC-E, no one would even know it was there.

73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 363. Re: MAP HELP

From: kd4emi@juno.com (Michael A Kantor)
Date: Mon, 12 May 1997 18:53:00 -0400
To: rwf@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <19970512.185420.9286.0.kd4emi@juno.com>
Rendered body type: text/plain

I am going to NC and hiking part of the trail for my honeymoon.

I would be willing to make a map if needed, just send me a fax of the app
trail, and
important landmarks and I'll for free.

Mike
KD4EMI@JUNO.COM

## 364. Kerchunking

From: Dave.Ackrill@westwood45.powergen.co.uk
Date: 12 May 1997 23:58:23 +0100
To: aprssig@tapr.org (Non Receipt Notification Requested)
Message-ID: <970512225803Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>
Rendered body type: text/plain

Couple of thoughts,

> Over here we got rid of kerchunking by requiring a few seconds of
> audio, like your callsign, to "open" the repeater. It just about
> killed the dead carrier syndrome, which is what we called sending a
> brief tone burst to see if the repeater was still on.
>
> I agree about the co-channel problems, we get continental repeaters
> that are reversed to ours, i.e., their input is our output frequency
> and the howl round is terrible in a lift! So blipping anything on the
> input is a no-no.
>
> As to CTCSS, well it might be common your side of the pond, but it's
> only just catching on over here, even though it's a bit more
> widespread than APRS as yet :-) So we still get the "I've had this
> rig for 20 years and I don't see why I should pay for a new one"
> brigade out whenever CTCSS is even mentioned. And you try explaining
> that they can still use their rig after it's been added to the
> repeater! There is more than one repeater group that refuse to add
> CTCSS as they are sure that the thing wont work properly after the
> addition. In fact they "know" so because ten years ago they heard
> from someone who said so!
>
> Thus you see why any new fangled APRS system struggles. Like packet
> did until more than a few hundred British and European Amateurs got
> going and then the rest joined the bandwagon.
>
> BTW, funny conversations overheard = 5 years ago two stations
> complaining that there were too many conversations about PCs that they
> didn't understand, on passing that way the other day, same two Hams
> talking about the wizzo games on their latest CD-ROMs. Such is the
> British mentality!!!!!
>
> Cheers de Dave (G0DJA)

## 365. RE: Which hand held GPS?

From: n0lrf@computer-services.com (Paul Stump)
Date: Mon, 12 May 1997 23:19:59 GMT
To: aprssig@tapr.org
Message-ID: <337aa4bb.1342147@mail.computer-services.com>
Rendered body type: text/plain

On Mon, 12 May 1997 16:12:03 -0500 (CDT), Brian
McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com> wrote:

>My preference at this point is to look into the GPS II+. If it still has the RF
>sensitivity seen in the GPS-II, that the 12XL is the best choice, if not the
>features of the GPS-II+ are great.

GARMIN says the GPS II+ will have the correct voltage
regulator and no RF sensitivity problems...

Cheers & 73,
Paul, n0lrf@amsat.org
http://www.computer-services.com/stump

## 366. National APRS UHF calling frequency and MIC-E

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 17:52:52 -0600 (MDT)
To: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Cc: aprssig@tapr.org, wxwatch@netcom.com
Message-ID: <Pine.SUN.3.96.970512173417.20705C-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sun, 11 May 1997, Greg Jones, WD5IVD wrote:

> >  Date: Sun, 11 May 1997 01:08:17 -0400 (EDT) From: Bob Bruninga
> > <bruninga@nadn.navy.mil> To: aprssig@tapr.org Subject: APRS UHF freq
> > Message-ID: <Pine.GSO.3.95.970511005132.3510K-100000@arctic>
> >
> > I have updated my UHF-FREQ.txt file.  Here it is... UHF-FREQ.txt 7.9.2
> > A NATIONWIDE UHF GPS SIMPLEX CALLING FREQUENCY
> >                              ??????  445.925  ??????
>
> <snip>
>
> >
> >     As anyone that has participated in a frequency coordinating
> > organization can attest, finding an available packet frequency in our
> > already crowded bands is a difficult and painful process.  Trying to
> > find a single national frequency is impossible!  As a weak-signal
> > operator, and ATV'er, I do not  want to see any more encroachment on the
> > 70 CM ATV frequencies and  certainly not on the the weak signal bands.
> > Also, as a member of the local  Mid-Atlantic Repeater council, I have
> > avidly defended the UHF FM voice frequencies from encroachment by packet
> > operations.

[more snippage...]

> It really shows how our VHF/UHF through bandplanning and coordination do a
> very poor job of actualy meeting the needs of a diverse amateur population.
>
> This is one reason commercial folks want our freqs.  They see a vast
> virigin spectrum that is very under untilized in operations.  We need more
> activity like APRS and other uses that use freqs, instead of protecting
> spectrum that might not be utilized in the current configuration.  The
> problem is that when you protect someone (like repeaters), we probably
> never get those freqs back for open amatuer operations for a long, long
> time.

I have to agree with Greg on this one, Bob.  Here in the Denver Area,
there are A BUNCH of 440 Mhz. repeater pairs that people have possession
of, and put repeaters on the air, ONLY TO **NEVER** HEAR *ANYONE ON THESE
REPEATERS!!!  Nearly half of the UHF side of my Yaesu FT-5100 is filled
with these repeaters.

Just recently, one of the local clubs put an amateur paging system online
using the 449.750- repeater pair.  It also "doubles" as a voice repeater.
Does it support MIC-E, I dunno.  (This local club's email address is
wxwatch@netcom.com, which explains the extra Cc)

> >     GPS tracking does not act like the other packet applications,
> > however,  which always seem to need more and more spectrum.  GPS
> > tracking is a  SINGLE FUNCTION, SINGLE FREQUENCY  application.
> > Conversly, all other packet applications such as BBS's and DX clusters,
> > for example, are HUB  or star based networks which operate most
> > effectively when each major NODE  or BBS has its own separate frequency.
> >  Due to the community nature of  these beasts, there is always a
> > crowding effect driving the users to find  more and more frequencies.
> >   The GPS reporting and tracking network, however, gains its advantage
> > by  having ALL mobile stations on one and only one frequency.  Just as
> > HAMS  have 146.52 as a national calling frequency, and CB'ers have
> > channel 19, the GPS application needs only a single calling frequency
> > too.
> >
> >      Maybe it is time to allocate just a single one of the FM simplex
> > channels near the 446.0 FM simplex calling channel as a mobile GPS
> > calling channel.  Just as 446.00 is recognized as the UHF calling
> > frequency, there  should be a comparable GPS status and calling
> > frequency for mobiles  nationwide.  I anguished long and hard over this
> > proposal, and I suspect  that it will meet with a lot of emotional and
> > idealogic controversy.    But I think that anyone that is watching the
> > trends in communications  technology will certainly conclude that GPS
> > position reporting of mobile  radio operations WILL BE FUNDAMENTAL IN
> > EVERY MOBILE NETWORK within 10  years.  (Just witness the growth of APRS
> > in only 4 years!)  We either  bite-the-bullet now and plan for the
> > orderly development of GPS  applications on the 70 cm band, or we will
> > be fighting this same battle  for the next ten years.
>
> This is probably not a bad approach.  While it is best to work with local
> groups of hams that decide on spectrum policy to make everyone happy, if we
> examine past history, you have to a lot of time find a freq and establish
> on it and then fight for acceptance.  Everyone just needs to be aware that

> it takes both approaches a lot of time to get what you want.  In many parts
> of the US, if you ask you will never get listened to or responded to.  This
> is why there have been so many issues with the Amateur Spectrum
> Coordination community.  Just see how the NFCC has fractured in the last
> year after getting established.  They had a goal of establishment something
> outside the ARRL that they could agree on, but after that there seems to be
> little or no positive direction seen on issues.  At least none that I have
> been able to find.

I agree.

> My suggestion would be to pick a freq and then hope for the best.  I am
> sure that will get some folks upset, but you know what the issues are now
> from when the current APRS freq was picked -- so I think you and various
> APRS groups should be able to avoid those issues to some extent now.
> Simplex operations is just that.  Pick a simplex freq and say -- let's
> start using that and see what happens.  This is amateur radio and we all
> have just as much right to be on operating as anyone else does.

Right again, Greg.  I haven't any experiece with frequency coordination,
but it generally doesn't take an FC to determine whether or not an
application such as APRS is really worth the freq(s).

> Pick a freq and listen on it for a week or so.  If no one has a schedule
> event on it -- then you might ask others to take a listen and see what they
> hear.  After a while, and a few freqs in a certain range, it might be
> possibel to select something that seems to be right.
>
> Just a few personal thoughts.

Patrick Cook
patcook@dimensional.com
Denver, Colorado
Proud Member of the following clubs:  Denver Radio Club (Happy 80th Birthday!)
                                      Rocky Mountain Radio League
                                      Colorado Repeater Association

## 367. FS: Garmin GPS-38

From: "Brian K. Short" <ke7gh@primenet.com>
Date: Tue, 13 May 1997 00:16:55 +0000
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970513001655.006a31a4@mailhost.primenet.com>
Rendered body type: text/plain

Upgrading my present GPS situation, so...

FS: Garmin GPS-38 in the box, with manual, complete.
Like new condition, little use.
$100 shipped (COD if necessary) to your door.

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484
k7on@qsl.net >or< ke7gh@primenet.com http://www.qsl.net/k7on

## 368. Re: [APRSSIG:12467] repeaters generating packet on their own inputs.

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 18:23:47 -0600 (MDT)
To: rwf <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512182055.20705H-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997, rwf wrote:

> PLEASE DO NOT CIRCULATE THIS SUGGESTION!!!

I won't circulate this post as per your request, but.....

> How am I gonna explain to the repeater owner 100 miles away on the same
> frequency why I am kerchunking their input with packet every few seconds.

> And all other co channel repeaters, too!

> I am playing Devil's Advocate here- not flaming.  Read on...

How is it you are able to do this in the first place, Ralph???  Are you
high atop a hill somewhere???

Just curious, BTW...  :-)

Patrick, KB0OXD

## 369. APRS790 abend

From: "Rich Casey" <casey@acm.org>
Date: Mon, 12 May 1997 19:29:20 -0500
To: <aprssig@tapr.org>
Message-ID: <199705130041.TAA05636@lepton.startext.net>
Rendered body type: text/plain

Three times this past week, my APRS790 program has crashed with an "illegal function call LN0 of module APRS79W at 071C:5506. Hit enter to return to program." However, when I do, I go to a DOS prompt.

Incidentally, it also errored out during our ballon lauch at about 33,000 ft, but would recover when I hit the "enter" key.

It's an old 386/33, 8Mb machine running from the DOS prompt... no other pgms running. I'm running an Ultimeter II on one port and KPC-4 on the other. I had no problems with the older APRS versions so am wondering what the scoop is.

Anyone else experience this? Any ideas? Or were these all balloon launches?
tnx es 73
Rich

Rich Casey, Dallas TX | Member: ARRL, AMSAT, ACM, TAPR
casey@acm.org | Ham Radio N5CSU
http://www.startext.net/homes/rcasey | Think globally, connect locally

## 370. repeaters generating packet on their own inputs.

From: rwf <rwf@mindspring.com>
Date: Mon, 12 May 1997 20:43:12 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970512204305.00776180@mindspring.com>
Rendered body type: text/plain

Bob said to forget the idea, but there is one more thing that requires clearing up:

Henry's talking about people complaining when the band opens and a 25 watt user brings up a distant repeater- NOT when the offending transmitter is at a SITE and on an antenna designed to "blanket the area".

PL is a great feature to have on repeaters. Unfortunately some folks think this thread concerns something that PL can "make go away".

This has nothing to do with PL. It has to do with a repeater transmitting packet ON ITS OWN INPUT (which its coordination does not authorize it to do) and on the input of OTHER COCHANNEL REPEATERS without regard to whether the other repeater already has a signal present on its input.

Maybe it would be better understood if I came to your area and transmitted packets every few seconds on the input of your favorite repeater at the same time you were making an autopatch to 911, issuing a Skywarn report of a tornado touchdown, or just jabbering with a friend. This is what you are condoning. Now, will PL on your input make the packet go away? Will the person you are talking to magically not hear the heterodyne of the interfering signal?

When repeaters are well situated, it is very easy for a signal to travel site to site (or mountaintop to mountaintop) without much problem. Repeater coordination addresses the co channeling and spacing of OUTPUT and INPUT frequencies. If a repeater owner tried this scheme, I would expect him to likely be decoordinated. This sort of thing is already happening with thoughtless people using remote bases on high site repeaters and interfering with 2 other repeaters other than the one they intended to use.

Take it from the co-owner of 12 repeaters!

At 05:25 PM 5/12/97 -0500, HenryVB wrote:
>

>It's called PL/CTCSS folks, I still can't believe the repeater owners
>too cheap to install PL on the input of their repeaters.  It's easy to
>know who they are, they're the ones complaining when the band opens and
>we hit machines 200 miles away from Chicago with 25 watts on the input.
>If my signal could get to them due to a band opening and they had PL,
>their radios wouldn't open up.  I don't want to get a long thread
>started here on PL/no PL, but if folks had it, then Bob's idea would not
>cause them problems.
Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 371. Re: [APRSSIG:12478] frequencies in use?

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 18:54:10 -0600 (MDT)
To: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512185304.20705N-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997, Paul Plasters wrote:

> Hi ALL;
> Later this month I am going to drive to RENO, NV.  is there any activity
> there or on the way?  From there to Milwaukee, Oregon.  I  Would like to
> know if there is any different frequencies involved in those 2 places and
> between.
> Thanks, Paul WA9FFL

Are you going to be passing through Denver, Colorado???  If so, there's
some here....  :-)

Just an FYI...  :-)

Patrick, KB0OXD

## 372. Re: [APRSSIG:12480] Definitions

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 18:57:12 -0600 (MDT)
To: Ciemon Dunville <ciemon.d@virgin.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512185545.20705O-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997, Ciemon Dunville wrote:

> Could someone please define kerchunking. It's a new one on me.

"Kerchunking" is when someone (or something nowadays) brings up a voice
repeater without an ID.

Hope this helps....  :-)

Patrick, KB0OXD

## 373. Re: [APRSSIG:12483] Re: repeaters generating packet on their own

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 19:01:11 -0600 (MDT)
To: Jack Anderson <jra@crosslink.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512185834.20705P-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997, Jack Anderson wrote:

> It's a good idea, but I think the packet needs to be on the output frequency.
>
> CTCSS ON  = voice traffic
> CTCSS OFF = packet
>
> All (or nearly all) modern rigs have CTCSS decode, so the voice users
> needn't be bothered.
>
> A brief packet every 5 or 10 minutes during idle periods to send a few
> hundered bytes of local info might not be a bad idea at all.

Frankly I don't think it's worth it and would cause more problems and
create more trouble than it's really worth, IMHO....

Just my humble opinion....

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

## 374. Re: [APRSSIG:12485] RE: Definitions

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 19:03:31 -0600 (MDT)
To: "Dicke, Daniel O." <DICKED@pcmail02.systems.gec.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512190218.20705Q-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997, Dicke, Daniel O. wrote:

> If you here the repeater key up for a second and then clear off, that is
> kerchunking.

Only if YOU are the one who keys up the repeater.  If you just hear it,
then you're not doing anything wrong.

Patrick

## 375. Re: Law Enforcement/EMS monitoring frequencies

From: Patrick Cook <patcook@dimensional.com>
Date: Mon, 12 May 1997 19:24:31 -0600 (MDT)
To: Tarmagost@aol.com
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970512191502.20705R-100000@nova.dimensional.com>
Rendered body type: text/plain

On Mon, 12 May 1997 Tarmagost@aol.com wrote:

> Pat:
>
> I, too, like the idea!  Many years ago I approached my ham club (DRL) about a
> sign on 1-25 near Castle Rock and on the other end near North Denver limits.
>  I was told that the repeater was busy enough now!  I dropped the idea at
> that time.  I, too, have been frustrated at not being able to find a repeater
> in a given locale...I think pursuing the idea would be great!

I thought so.  Especially since the DPD put up the 147.300+ K0LF Repeater.
Having a repeater as valuable as this one (especially when you consider its
coverage) is great because A): Many Denver Police officers who are hams
tend to monitor this repeater (whether they are on *OR* off duty) and B):
It alleviates (or at least attenuates) the need for lengthy autopatch
calls to 911 (and we all know how much trouble this can be for those who
use the RMRL's Squaw Mountain autopatch, given the arrangements they have
with "good ol'" AT&T :()!!!

With your indulgence, I'm sending a Cc of this message to the APRS SIG
List at TAPR as this would certainly fall into the lines of what we're
trying to do using APRS (Automatic Position Reporting System) and the
new MIC-E system about to come out soon (???).

73's for now, my friend!!  :-)

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

## 376. Re: [APRSSIG:12500] RE: Definitions

From: Dick Flanagan <dick@merlin.libelle.com>
Date: Mon, 12 May 1997 18:45:38 -0700
To: patcook@dimensional.com
Cc: aprssig@tapr.org
Message-ID: <v03102805af9d77cf6109@[207.33.105.223]>
Rendered body type: text/plain

At 6:13 PM -0700 5/12/97, Patrick Cook wrote:
>On Mon, 12 May 1997, Dicke, Daniel O. wrote:
>
>> If you here the repeater key up for a second and then clear off, that is
>> kerchunking.
>

>Only if YOU are the one who keys up the repeater.  If you just hear it,
>then you're not doing anything wrong.

But if you kerchunk a repeater in a forest where there is no one to hear
it, is is still wrong?!

Dick (The Devil Made Me Do It!!  :)

--
Dick Flanagan W6OLD CFII Minden, Nevada
Visit http://www.delphi.com/electronic/

## 377. FS: DX-70 Excellent base or mobile Gate

From: "Jerry" <jerdptro@xnet.com>
Date: Mon, 12 May 1997 20:48:34 +0000
To: aprssig@tapr.org
Message-ID: <199705130148.UAA12865@mail.xnet.com>
Rendered body type: text/plain

Greetings:

I have a Alinco DX-70 FS.  It was purchased new at Peoria, IL Fest
last year.  I intended to use it as a gate, and as luck would have
it, I picked up a TS-440 the next week.  Don't need all the rigs.

Anyway, I am asking $700 firm.  The unit is new and ran about 10 days
on the gate here.  It works fine and if I already didn't have another
TS-440 in the car, the Alinco would be there.

If you are interested, let me know.  I can pack it up for Dayton.

ALSO.....If you haven't checked out the APRS/SA4 beta program, you
may want to contact the author.  It is a great APRS concept.  I can
see it growing to a very useful APRS tool.

73


Jerry Di Pietro  K9GD
Streamwood, Illinois 60107

Work Ph  : (630) 305-5062  Home Ph  : (630) 289-2808
FAX Line : (630) 289-2903  Car Phone: (847) 338-3327

Home Page:  http://www.xnet.com/~jerdptro

## 378. HELP with WIN APRS

From: kd4emi@juno.com (Michael A Kantor)
Date: Mon, 12 May 1997 22:58:17 -0400
To: aprssig@tapr.org
Message-ID: <19970512.225818.8214.0.kd4emi@juno.com>
Rendered body type: text/plain

tried to put the tornado where it happend today,
and the big T is thunderstorm and little t is truck stop, but on icon
list it is tornado ?

What did I do wrong ?

Mike

## 379. Re: [APRSSIG:12504] HELP with WIN APRS

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 12 May 1997 23:32:08 -0500
To: kd4emi@juno.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <3377EEC8.65B@stans.com>
Rendered body type: text/plain

If you look, you'll see that the icon list ALSO has the "adjective
char", which is used as the separator for the lat/long. So, to place a
tornado at 42N89W, you'd use:

4200.00N\08900.00WtTornado

Michael A Kantor wrote:
> tried to put the tornado where it happend today,
> and the big T is thunderstorm and little t is truck stop, but on icon
> list it is tornado ?

## 380. Re: [APRSSIG:12499] Re: repeaters generating packet on their own

From: "Brent Hildebrand" <BHildebrand@worldnet.att.net>
Date: Mon, 12 May 1997 22:05:51 -0700
To: <aprssig@tapr.org>
Message-ID: <19970513050516.AAA20880@486>
Rendered body type: text/plain

```
----------
> From: Patrick Cook <patcook@dimensional.com>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12499] Re: repeaters generating packet on their own
> Date: Monday, May 12, 1997 6:06 PM
>
> On Mon, 12 May 1997, Jack Anderson wrote:
>
> > It's a good idea, but I think the packet needs to be on the output
frequency.
> >
> > CTCSS ON  = voice traffic
> > CTCSS OFF = packet
> >
> > All (or nearly all) modern rigs have CTCSS decode, so the voice users
> > needn't be bothered.
> >
> > A brief packet every 5 or 10 minutes during idle periods to send a few
> > hundered bytes of local info might not be a bad idea at all.
>
> Frankly I don't think it's worth it and would cause more problems and
> create more trouble than it's really worth, IMHO....

We had implemented on our local repeater and output PL on only with a
carrier on the input.  This made all announcements and beeps, etc.  silent
when decoding PL on the user side.  It worked great.  Having packet data on
the output could work and certainly from a repeater construction point of
view, it would be much easier on the output.
..
Having packet transmitted on the input but the USER with a MicE like
encoder that produced it's Braap on Key up could be used by the repeater to
limit access to the repeater based on callsign or even geographic location.
 Not a recommendation, just a thought.

BH, KH2Z
```

## 381. Just in time for Dayton!

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Tue, 13 May 1997 00:49:07 -0500
To: aprssig@tapr.org
Message-ID: <337800D3.71AE@stonewest.com>
Rendered body type: text/plain

```
SUBJ: Scientists Decode the First Message From an Alien Civilization!

SIMPLY SEND 6 TIMES 10 TO THE 50 ATOMS OF HYDROGEN TO THE STAR SYSTEM
AT THE TOP OF THE LIST, CROSS OFF THAT STAR SYSTEM,
THEN PUT YOUR STAR SYSTEM AT THE BOTTOM OF THE LIST AND SEND IT TO
100 OTHER STAR SYSTEMS. WITHIN ONE TENTH OF A GALACTIC ROTATION
YOU WILL RECEIVE ENOUGH HYDROGEN TO POWER YOUR CIVILIZATION
UNTIL ENTROPY REACHES ITS MAXIMUM!
IT REALLY WORKS!

(Sorry, late night, bad pizza, low resistance)
```

## 382. Thanks

From: Ciemon GI0TRT <ciemon.d@virgin.net>
Date: Tue, 13 May 1997 07:38:19 +0100
To: Tapr SIG <aprssig@tapr.org>
Message-ID: <33780C5B.2609@virgin.net>
Rendered body type: text/plain

```
Just a quick thanks to all those that defined kerchunking (I stopped
counting at 18) and those that offered advice on which GPS. Now where's
my visa........

73...Cie
```

## 383. BPQ and APRS

From: Ciemon GI0TRT <ciemon.d@virgin.net>
Date: Tue, 13 May 1997 07:46:12 +0100
To: Tapr SIG <aprssig@tapr.org>
Message-ID: <33780E33.FDE@virgin.net>
Rendered body type: text/plain

Just another thought about BPQ and APRS. Baycom make an internal PC
board which takes upto 4 modules. These modules are interchangeable and
can be from 300 to 9600 baud.

Not too sure about pricing over there but here to get the main board and
1200 and 300 modules would cost less than £200.

Is this the way forward????

Ciemon GI0TRT

## 384. Leica/Magnavox GPS Engines

From: Michael Walker <mwalker@interlog.com>
Date: Tue, 13 May 1997 07:40:15 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970513074012.00696668@interlog.com>
Rendered body type: text/plain

Hello All

I've finally got around to wiring up my Leica/Magnavox GPS engine that
someone was selling here about a year ago.  Does anyone have access to the
CDU software (if required) on any other info they learned while doing this.
 I do remember that someone had a display unit for sale.

I've got the service manual for the engine, so I have the pinouts and flow
control info, but any further help is appreciated.

Many thanks...Mike
**********************************************************
Mike Walker                          Corbeil Contest Club
VA3MW                                                FN03

## 385. Re: [APRSSIG:12495] APRS790 abend

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 08:48:08 -0400 (EDT)
To: Rich Casey <casey@acm.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513084334.20078B-100000@arctic>
Rendered body type: text/plain

On Mon, 12 May 1997, Rich Casey wrote:

> Three times this past week, my APRS790 program has crashed with an "illegal
> function call LN0 of module APRS79W at 071C:5506. Hit enter to return to
> program." However, when I do, I go to a DOS prompt.
> Incidentally, it also errored out during our ballon lauch at about 33,000
> ft, but would recover when I hit the "enter" key.

APRSdos REPLY/COMMENT:  APRS790 should have had the 32,762 bug fixed.
In order form me to determine anything about this error, I need to know
what packet was on the bottom line of the display when this occured, and
what ES$ string was displayed in the center orange box.  Thanks.

 Reply
mail addr: wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 386. Repeaters supporting the Mic-Encoder?

From: Doug Wittich <dwittich@concentric.net>
Date: Tue, 13 May 1997 08:46:27 -0400
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970513124627.00694f8c@pop3.concentric.net>
Rendered body type: text/plain

>     One other thing:  Those of you who are in areas where such repeat-
>ers are active have probably run into the "anti-braaap" types in the
>club.  We have one (whose name and call I deliberately leave out!), who
>vociferously bemoans every single Mic-e packet!  In order to avoid this
>type of situation, it is suggested (if possible) that the packets be mu-
>ted from the repeater's output.  73

Our club is willing to put the stuff on our repeater to redirect the packet
burst to a transmitter on 145.79.  Could someone advise as to what is
required?   We have a multi-receive site system with voter and a UHF link to
the xmitter.


Doug

## 387. Re: UNSUBSCRIBE

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 13 May 1997 08:20:12 -0500
To: Brian L Carlson <blcarl@juno.com>
Cc: aprssig@tapr.org
Message-ID: <33786A8C.2EA0@stans.com>
Rendered body type: text/plain

Brian, I don't see any address out of the eight in your message's To:
field that look like a list server's control address... I guess you're
trying to not-so-subtly ask a number of us to "unsubscribe" from your
life?

For the record, if you REALLY don't want to hear from anyone associated
with the APRS list again, send a message to:

listserv@tapr.org

and include in the text of your message:

signoff aprssig

That will free up your mail box for other pursuits!

## 388. RE: [APRSSIG:12502] RE: Definitions

From: "Dicke, Daniel O." <DICKED@pcmail02.systems.gec.com>
Date: Tue, 13 May 97 09:52:00 EDT
To: aprssig <aprssig@tapr.org>
Message-ID: <337874D3@pcmail.systems.gec.com>
Rendered body type: text/plain

Who said it was wrong!
 ----------
From: aprssig
To: aprssig
Subject: [APRSSIG:12502] RE: Definitions
Date: Monday, May 12, 1997 8:46PM

At 6:13 PM -0700 5/12/97, Patrick Cook wrote:
>On Mon, 12 May 1997, Dicke, Daniel O. wrote:
>
>> If you here the repeater key up for a second and then clear off, that is
>> kerchunking.
>
>Only if YOU are the one who keys up the repeater.  If you just hear it,
>then you're not doing anything wrong.

But if you kerchunk a repeater in a forest where there is no one to hear
it, is is still wrong?!

Dick (The Devil Made Me Do It!!  :)

 --
Dick Flanagan W6OLD CFII Minden, Nevada
Visit http://www.delphi.com/electronic/

## 389. Re: [APRSSIG:12504] HELP with WIN APRS

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 10:24:16 -0400 (EDT)
To: Michael A Kantor <kd4emi@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513102241.2533E-100000@arctic>
Rendered body type: text/plain

On Mon, 12 May 1997, Michael A Kantor wrote:

> tried to put the tornado where it happend today,
> and the big T is thunderstorm and little t is truck stop, but on icon
> list it is tornado ?

>
> What did I do wrong ?

APRSdos REPLY/COMMENT:  In both Win and Dos APRS, every symbol character
now has two possibilities or more depending on whether it is selected from
the Primary or Alternate symbol table.  The Tornado is a little t from the
alternate table...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:   http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 390. Mic-E on Voice Repeaters

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 10:51:39 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513102613.2533G-100000@arctic>
Rendered body type: text/plain

Here is another idea..  Just hook up a Mic-E to the REPEATER Transmitter
just like to your radio.  Set POSITION period to 10 minutes.  THen, just
like your radio, the repeater will send a Mic-e Burst at the END when it
eventually Drops..

Notice it will not be sent during normal use, since the repeater has a
HANG TIME that keeps the XMTR up between conversation turn-arounds. But
when the repeater goes IDLE, then when it drops, it sends out its Mic-E
blip putting it on the map!  (Also it will Blip on a kerchunk!)

Counter argument:  However, I see no need for this in most cases, since
the TNC at the repeater should be sending its POSIT on the local APRS
frequencey, so there is no need to send a posit on the voice freq.  Again,
the Mic-E posit wont do any good unless someone has a TNC to receive it
with, and that should be over on the APRS digital freq, so again, no
value.  But for your application which may be unique, this is a
possibility...

See APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 391. Re: Repeaters supporting the Mic-Encoder?

From: "Ronald G. Parsons" <w5rkn@amsat.org>
Date: Tue, 13 May 1997 15:20:47 +0000
To: APRS-SIG <aprssig@tapr.org>
Cc: Doug Wittich <dwittich@concentric.net>
Message-ID: <337886CC.70E8@amsat.org>
Rendered body type: text/plain

There are several files on the mic-e ftp directory that address this
question:

ftp://mic-eftp:APRS@ftp.tapr.org/images/XR-2211_DCD_1.TIF
ftp://mic-eftp:APRS@ftp.tapr.org/images/XR-2211_DCD_2.TIF
ftp://mic-eftp:APRS@ftp.tapr.org/images/DCDmod1.GIF

The latter is a mod to the TAPR DCD State Machine to reduce false hits
on voice repeaters. Let me know of your ideas as I have not implemented
all of this put together.

Ron W5RKN

Tue, 13 May 1997 08:46:27 -0400
> From: Doug Wittich wrote:
>
> Date: Tue, 13 May 1997 08:46:27 -0400
> From: Doug Wittich <dwittich@concentric.net>
> To: aprssig@tapr.org
> Subject: Repeaters supporting the Mic-Encoder?
> Message-ID: <1.5.4.32.19970513124627.00694f8c@pop3.concentric.net>
>
> >     One other thing:  Those of you who are in areas where such repeat-
> >ers are active have probably run into the "anti-braaap" types in the
> >club.  We have one (whose name and call I deliberately leave out!), who
> >vociferously bemoans every single Mic-e packet!  In order to avoid this
> >type of situation, it is suggested (if possible) that the packets be mu-
> >ted from the repeater's output.  73
>

> Our club is willing to put the stuff on our repeater to redirect the
> packet
> burst to a transmitter on 145.79.  Could someone advise as to what is
> required?   We have a multi-receive site system with voter and a UHF
> link to
> the xmitter.
>
> Doug

## 392. APRS-assisted RDF Exercise

From: Ralph Milnes <milnes@openix.com>
Date: Tue, 13 May 1997 11:39:31 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970513113931.006a05f4@openix.com>
Rendered body type: text/plain

This is perhaps a too long report of an APRS-assisted RDF (radio direction finding) exercise conducted on Saturday 5/10/97. It will be of most interest to those interested in RDF and SAR (Search And Rescue). In fact, this exercise was more of an RDF drill than an APRS test. Your comments and suggestions posted to the SIG or to me -- as appropriate -- would be most welcome.

If you're *not* interested in these areas, I apologize for the presence and volume of this note in your reader. To those of you with limited interest, I'll offer this quick recap right up front:

Summary: Our scenario assumed that a hypothetical SAR team -- with a radio but no GPS -- had found a lost and injured victim, but couldn't accurately describe their position for a helicopter pickup. Our objective was to test if simple RDF methods, used in conjunction with APRS software, would be effective in identifying the team's location. In essence, 5 stations conducted a cooperative fox hunt.

We found that the APRS software appears to be an excellent tool for plotting the location of field stations (or hunters), for triangulating the location of the target, and for overall coordination of the event. Unfortunately, the accuracy of RDF bearing reports from the field stations was poor, and so we were not able to locate the target.

Additional details follow if you're interested:

Objective: The object of this drill was to determine if hams could assist SAR personnel by using RDF methods to determine the position of a search team. Our premise was that, in real life, a search team might not have a GPS unit, but it would have a radio operating in the 144-156 MHz range. Further, we assumed that amy assisting hams would have only simple RDF gear, such as HTs with shielded tubes or RDF antennas, such as a Handi-finder, but not Doppler units.

Setting: This was an exercise conducted by the RACES/ARES of Chatham, NJ around the Great Swamp, a flat, mostly wet, unpopulated area about 7 miles by 2 miles. It sits at the bottom of a bowl formed by hills rising as much as 150 feet. There are no roads into the swamp. Hikers occasionally get lost in the swamp, particularly at night.

Tactical Plan: Because of the terrain, we did not want hams venturing into the swamp. Instead, we stationed hams in 5 locations surrounding the swamp. Their locations were easily and accurately placed on a detailed APRS map. Our hope was to get 3 or 4 stations to report accurate (+/- 6 degrees) bearings that APRS could use to triangulate the target. The RDF teams were told to take two or three bearings from different spots within 100 feet of their assigned station.

Results: Of the 5 teams, only 2 were able to report a bearing that was within 20 degrees of the target. One station was completely unable to hear the target, probably because of poor location. The other 2 stations reported bearings that were sometimes 90 (or 270) degrees off  the mark. Second and third RDF samples from each station often produced extremely different bearings, even though they were taken within a few feet of each other.

The wide variation in readings produced no apparent "consensus" of the target location and no way to differentiate "reasonably good" bearing reports from the "bad". If this had been an actual situation, we would *not* have been able to pinpoint the target using stationary hams.

Preliminary Analysis:

1. APRS - APRS (in this case, WinAPRS 1.4) performed admirably. It was easy to put the station positions and their RDF reports/vectors on the map. The graphics made it easy to see what was happening.

For comparison purposes, we also had a person plotting positions and vectors on a paper map.

APRS was quicker; superior in its visual display; made incorrect plots easier to re-do; and quickly showed the Lat/Long reading for any position (just click on the map) or the approximate distance between points (click and drag). (One wish list item: display point-to-point distances in nearer tenths of a mile instead of nearer mile).

Command personal naturally gravitated to the APRS screen rather than to the paper maps.

One observation: when a fixed station reported a second or third bearing, we opted to *replace* the previous bearing. In retrospect, it probably would have been better to *add* the new bearing to the screen by creating second and third stations at the same spot, i.e. TeamA-1, TeamA-2, TeamA-3. Such a composite might have allowed us to see a general pattern. (Other suggestions?)

2. RDF methods - The focus of our failure has to be on our RDF methods. We're not exactly sure why we had such poor results. We welcome any suggestions, particularly from anyone who has experience in RDF in a canyon or bowl-shaped geographic area.

We suspect a combination of factors were at work: operator inexperience with unsophisticated RDF methods; mis-calibrated Handi-finder units; signal reflections from the hills, buildings, or electric transmission towers surrounding the swamp; and perhaps RF from distant stations or splatter from nearby frequencies.

In this exercise as in many SAR operations, the terrain limited the RDF hunters from moving in closer and closer to get more and more accurate readings as is typical in a fox hunt. Perhaps in such "long distance" RDF situations, a multitude of bearing reports -- mostly good, some bad -- might be a better way to approximate the target's position. And rather than using a few fixed stations, it would probably be better to have mobile stations. A mobile Doppler unit(s) would probably have worked much, much better.

Other suggestions form the SIG would be welcomed!

3. Maps - One item of concern was the mix of maps being used. I don't know if this is a national SAR trend, but our police department prefers to use USGS maps (based on UTM) for SAR operations. This presents a problem when a APRS Long/Lat map is being used at the command center and USGS maps are being used in the field by searchers. A translation needs to be made from a APRS-calculated Lat/Long position to anyone using USGS (UTM) maps.

Does anyone see a solution to this "mixed map" problem? I guess I could try to convince the local emergency personnel to switch to paper Lat/Long maps of local areas (are they available?). What does the Civil Air Patrol use? What do medivac helicopters use to go to a specific location? (I assume Lat/Long.)

Final Opinions:

This initial experience suggests that simple RDF methods in long distance searches (a mile or more away from the target) would be difficult. Certainly, any participating ham would need more than a minimum level of RDF knowledge and experience.

It also appears that a plan to use bearing reports from a few widely spaced but stationary RDF teams isn't likely to be effective. Instead, it's better to get more reports from more locations from two or three mobile teams (less people, too!). Such mobile teams would not need GPS units if they were operating in areas with obvious visual references. The map detail in APRS would allow the APRS operator to accurately place team locations on the APRS map just by voice reports, e.g. "We're now at the cul-de-sac at the end of Miller Road".

Perhaps the best approach is avoid the need for RDF: outfit all SAR teams with GPS units.  It's obviously a more expensive approach, but also more reliable and accurate.

Extending that idea further, SAR teams should also have TNCs/Mic-Es/MIMs to

automate position reporting. Hams might want to encourage SAR agencies to find the funds for GPS units, while the hams start to explore how best to wire up the portable packet encoding hardware for transmitters.

****

RM

## 393. PL/CTCSS Tones

From: "PAUL MANNING" <PMANNING@wfum.flint.umich.edu>
Date: Tue, 13 May 1997 13:09:44 EDT
To: aprssig@tapr.org
Message-ID: <94C5A5903D2@WFUM.flint.umich.edu>
Rendered body type: text/plain

Are there any rules in, Amerature Radio, when using PL/CTCSS tones??

If not, should there be basic informal practices followed when using such tones??

It would be nice to set aside specific tones for repeater inputs, repeater outputs,non-voice packet transmissions etc...

IMO

Paul,
N8VXD

## 394. Re: [APRSSIG:12518] APRS-assisted RDF Exercise

From: blitz <blitz@cataract.nfss.edu.on.ca>
Date: Tue, 13 May 1997 13:19:53 -0400
To: milnes@openix.com
Cc: aprssig@tapr.org
Message-ID: <1.5.4.32.19970513171953.006d7b64@strikenet.ccnn.net>
Rendered body type: text/plain

>This is perhaps a too long report of an APRS-assisted RDF (radio direction
>finding) exercise conducted on Saturday 5/10/97. It will be of most
>interest to those interested in RDF and SAR (Search And Rescue). In fact,
>this exercise was more of an RDF drill than an APRS test. Your comments and
>suggestions posted to the SIG or to me -- as appropriate -- would be most
>welcome.
>

>Summary: Our scenario assumed that a hypothetical SAR team -- . In essence,
5 stations
>conducted a cooperative fox hunt.
>

>Tactical Plan: Because of the terrain, we did not want hams venturing into
>the swamp. Instead, we stationed hams in 5 locations surrounding the swamp.
>Their locations were easily and accurately placed on a detailed APRS map.
>Our hope was to get 3 or 4 stations to report accurate (+/- 6 degrees)
>bearings that APRS could use to triangulate the target. The RDF teams were
>told to take two or three bearings from different spots within 100 feet of
>their assigned station.
>
Ok, error #1: Positions should have been taken further apart than 100 feet. More like 1 mile or at least half a mile. Very little will be shown except multipathing at 100 feet. If multipathing IS a problem, the closeness of the reading will produce exactly what your guys observed, a plethora of innacurate readings. Take a reading, plot, move, take a reading, plot, repeat, repeat...by the time three or four readings are taken, it should become obvious if the data is accurate or bogus. However, it is very necessary to know where YOU are when each reading is taken. Therefore, either the GPS or known landmarks should be employed when those reading are taken.

>Results: Of the 5 teams, only 2 were able to report a bearing that was
>within 20 degrees of the target. One station was completely unable to hear
>the target, probably because of poor location. The other 2 stations
>reported bearings that were sometimes 90 (or 270) degrees off  the mark.
>Second and third RDF samples from each station often produced extremely
>different bearings, even though they were taken within a few feet of each
>other.

Again the multipathing rears its head. The proximity to your cars can

produce supprizingly innacurate readings when you think you are "locked on"
to the fox. When signals are extremely strong, there is an absolute
necessity of antennuation of that signal, to make sure you are on the main
beam heading. We've often used cascaded antennuators and shielded screen
boxes for the HT's used when we knew we were going to hunt a high power fox.
Otherwise, when you get within a mile or so to the fox, youre going to be
awash in RF and any readings taken will be un-distinguishable from multipath.

The wide variation in readings produced no apparent "consensus" of the
>target location and no way to differentiate "reasonably good" bearing
>reports from the "bad". If this had been an actual situation, we would
>*not* have been able to pinpoint the target using stationary hams.
>
Under the conditions you described, you are correct. The problems you guys
had could have been mitigated to some extent if you had plotted every
reading and stuck with it. Eventually, the law of averages would have shown
the proper heading. You might have had to have every guy take 10 to 15
readings, but a consensus of direction would have emerged. The main problem
was non-confidence in what you were seeing. This was exagerated by
non-confidence in equipment and knowing what you were seeing was definatly
not the right reading.

>One observation: when a fixed station reported a second or third bearing,
>we opted to *replace* the previous bearing. In retrospect, it probably would
>have been better to *add* the new bearing to the screen by creating second
>and third stations at the same spot, i.e. TeamA-1, TeamA-2, TeamA-3. Such a
>composite might have allowed us to see a general pattern. (Other suggestions?)
>
The more reading the better, eventually the bad ones would show up and be
discounted. If you take a reading, plot it. If you plot it, keep it.
Accuracy comes with more and more  readings, and should not be assumed when
only a few readings are taken.

>2. RDF methods - The focus of our failure has to be on our RDF methods.
>We're not exactly sure why we had such poor results. We welcome any
>suggestions, particularly from anyone who has experience in RDF in a canyon
>or bowl-shaped geographic area.

Ive hunted in many different places, on and off roads, in many different
geographic variables, (over water, in hills etc), and the main thing you
guys should do is get confidence in your equipment, and how it will perform
under field condx. Have the guys hunt each other, hunt a few fixed stations
of known location, the weather bureau station, a land mobile station, get
some hours behind the controls and know how each piece of equipment works in
weak and strong signal conditions.

>
>We suspect a combination of factors were at work: operator inexperience
>with unsophisticated RDF methods; mis-calibrated Handi-finder units; signal
>reflections from the hills, buildings, or electric transmission towers
>surrounding the swamp; and perhaps RF from distant stations or splatter
>from nearby frequencies.
>
>In this exercise as in many SAR operations, the terrain limited the RDF
>hunters from moving in closer and closer to get more and more accurate
>readings as is typical in a fox hunt.

Huh? Somebody's gotta go in and find him, actually get to the fox.
Otherwise in a real situation, youre wasting resources. The aim should be to
get as close as possible as soon as possible. If some guys cant get in close
for whatever reason, (like their rcvr is getting swamped with signal) let
the guys with antennuators go in further. I can see why you exercized the
way you did, but in a real "plane down" or other RDF operation, the aim is
to get there ASAP.

Doppler detectors are nice, but should be considered a luxury. You should be
able to formulate a RDF setup from a roll of aluminium foil, a coat hanger,
and a paper clip. We found a yacht with it's marine radio stuck on, on ch 16
that way. (Anchored at a boat slip while it's owners were at the bar of the
club getting sloshed)

>3. Maps - One item of concern was the mix of maps being used. What does the
Civil Air Patrol use?

>What do medivac helicopters use to go to a specific location? (I assume
>Lat/Long.)
>
>
Having the choir on the same page is good.  The CAP, and most medivac
choppers would be using the maps of the approperate air sector you are in.
These maps are available at any airport and show topology from the air quite
well, as well as towers, smokestacks, main roads, and landmarks that should
be observable from the air. I think they are about $3.00 the last time I
bought one. Try any small airport that caters to small aircraft, they should
have them readily available.


>Final Opinions:
>
>This initial experience suggests that simple RDF methods in long distance
>searches (a mile or more away from the target) would be difficult.
>Certainly, any participating ham would need more than a minimum level of
>RDF knowledge and experience.****
>
>RM

I hope the bad luck you guys had doesn't dissuade you from future exercizes
like the one you just had. Youve made many correct observations, and now
know where some of your shortcommings are.

Good RDF'ing takes practice.
Practice, the right equipment, and confidence IN that equipment is
esscential for a successful hunt.
Youve learned a lot, and a lot has to assimilated by those who participated,
even if they had bad experences.

Get some parctice against known fixed targets to break the guys in
beforehand. Look for some variable antennuators for close-up work.
Have some guys concentrate on the close-up, high signal end of a hunt, (this
is assuming youre going to cooperatively hunt in the future)
Don't forget, in an emergency, your base stations with the stay-at-homers
will be immensely valuable in determining the rough area to go to, as they
usually have a rotary beam and a S-meter and are at a KNOWN location.
A quick plot of their observations will be a basis for the field operations
by the time they are deployed. Even one fixed station reading cuts your fix
time by one third by giving you a line to intersect. (Of course we all know
we have to use at least three positions for accuaracy...(g))

Check into getting a circular protractor at any stationary store. Its the
kind of tool, that with a string thru the center hole, makes a great tool to
work on your maps with in the field. Everyone should have a lensatic
compass. If you don't know what that is, ask any boy scout. Theyre cheap,
and help identify plots to landmarks. It enables a helpful eye-plot to be
called in like "12 degrees north of the smokestack at the power plant".
Knowing where north is is helpful too. (g)
 I put my map under a piece of plexiglass on a homemade clipboard. I then
plot with a grease pencil saving the map wear and tear.

In any case, have fun at it..dont let one bad outing dissuade you from
trying it again, and as youve seen, APRS is a very useful tool for this kind
of opperation. Appologies to the bandwidth impared  (g).

.\\arc
blitz@cataract.nfss.edu.on.ca

"Nuclear winter is over. The lawn just captured and ate it's first robin!"

## 395. [APRSSIG:12518] APRS-assisted RDF Exercise -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Tue, 13 May 1997 12:08:39 -0500
To: milnes@openix.com, aprssig@tapr.org
Message-ID: <s3785aca.014@mail.rkd.snds.com>
Rendered body type: text/plain

>>> Ralph Milnes wrote;
<SNIP>
>2. RDF methods - The focus of our failure has to be on our RDF
>methods.  We're not exactly sure why we had such poor results. We
>welcome any suggestions, particularly from anyone who has
>experience in RDF in a canyon or bowl-shaped geographic area.

>We suspect a combination of factors were at work: operator
>inexperience with unsophisticated RDF methods; mis-calibrated

>Handi-finder units; signal reflections from the hills, buildings, or electric
>ransmission towers surrounding the swamp; and perhaps RF from
>distant stations or splatter from nearby frequencies.

<MORE SNIP>
Hi Ralph;
I engage in foxhunting as a hobby, and it is suprizing how close you can
get with nothing but a handytalky, and some body shielding.  I find the
reason most people fail is they wait until the day of the Fox hunt to try
anything.  I have always tried to encourage potential hunters to practice,
practice, practice.  It is the only way you will get familiar with your
equipment.  An attenuator used properly will eliminate most "ghosts" or
"reflections" when used properly.  You still need to practice when using
this device also.  You must get very comfortable with your equipment, to
be efficient.  Maybe a training class for those interested would be a good
thing?  Then several practice sessions.  73 Paul WA9FFL
    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

## 396. Tripmate and Mim

From: Patrick Baird <pbaird@erols.com>
Date: Tue, 13 May 1997 14:41:26 -0400
To: aprssig@tapr.org
Message-ID: <3378B5D6.1327@erols.com>
Rendered body type: text/plain

To anyone that has a Tripmate-
Is there enough room in the battery compartment to install a Mim or
similar Pic to eliminate the need for the KPC-3 and make a compact
tracker? I haven't seen a Tripmate since they're sealed in the box
at the store and would like this info before forking out the bucks.
Thanks- Pat N3MKP at pbaird@erols.com

## 397. Special Event

From: Keith R Morris <krmorris@earthlink.net>
Date: Tue, 13 May 1997 11:25:27 -0800
To: aprssig@tapr.org
Message-ID: <3378C024.E79@earthlink.net>
Rendered body type: text/plain

June 23-25 1997 are the dates for the annual Youth Saftey Run from Los
Angeles to Yousomite park. This involves Police Explorer teams driving a
predetermined course and are scored on time and miliage.

I will have one tracker this year in a support vehicle.

The ID will be PACCC and the beacon text will include my call KC6ZGG.

Don't know about the coverage up HWY-99 so I will use RELAY,WIDE,GATE
unless someone has a better suggestion?

Keith Morris
KC6ZGG
LASD Temple Sta.
DCS E-156

## 398. Re: [APRSSIG:12518] APRS-assisted RDF Exercise

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 15:32:28 -0400 (EDT)
To: Ralph Milnes <milnes@openix.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513145806.7509C-100000@arctic>
Rendered body type: text/plain

Concerning the Great Swamp SAR exercise, I would ask that you consider
doing it again but use the APRS OMNI technique...

APRSdos COMMENT:  Unless you have accurate bearing data, I have found that
innaccurate bearing data is worse than no data.  It only confuses the
picture.  That is why I strongly encourage the use of the APRS-OMNI signal
strength technique for SAR.  THe reason is that NO SPECIAL RDF equipment
is required which means EVERYONE with a receiver can give good data.

Notice I mean GOOD data.  No training required.  The only reply from a
reporting station is his position, his relative signal strength (on a
subjective scale of 0 to 9) and some info about his height above average

terrain and directivity if there is a favored direction for propogation (5
minutes of training may be needed here).

Using this technique, I would guess that you would have been able to
locate the signal within 1/4 mile.  Even better if the stations
did as you suggest and moved a little and averaged their subjective signal
strengh reports.  Here again, the one team that couldnt hear the signal
was VERY GOOD DATA.  APRSdos would plot a BLACK circle radiating outward
from that observers location showning that the TARGET was NOT anywhere in
that black area.  This is one of the PRIME advantages of the APRS OMNI DF
techniqe because NULL reports are equally valuable with non-zero reports.
They plot where the target ISN'T.

If the other stations had reported signal strength then APRS would have
plotted overlaping colored circles radiating outward from each
reporting station.  The black null circles are overlayed last by APRS to
exclude areas, leaving only the highest concentraiton of intersecting
colored circles or overlap as the highest probability location of the
target.

If you havent seen the APRS OMNI work, simply load the file named DF-OMNI
and then hit the MAPS-PLOT-DF-OMNI command.  You will notice that only 3
stations heard the FOX, but 6 or more didnt.  AND the first reports that
came in were all NOTHING-HEARD, yet they let us know immediately that the
fox was no where to the west, south or East of Baltimore.  When we finally
got someone who heard the fox, then the exact position became clearer.

If I can leave no other impression, I think we must educate the amateur
community that a NULL REPORT IS VERY VALUABLE for three reasons:

   1) 90% of the reports you get may be null reports.  WHy not use them?

   2) NULL reports eliminate search areas where the target ISN'T.  In this
case, eliminating 90% of the search area.  THis allows the "talent" to
concentrate on where the target IS, and not waste time where it isnt.

   3) APRS plots these areas instantly so you can visually see the results
of multiple NULL reports.  You cant do this in your head when you have 6
or more NULL reports...  Remember the size of the area that APRS excludes
is still PROPORTIONAL TO ANTENNA GAIN AND HEIGHT so these exclusion
circles are truely proportional to the real world range of each station.

CAUTION:  But just like bearings, the pitfall here is understanding Height
Above Average Terain, and also giving a directivity figure if you are on
sloping or blocked terrain...  The APRS signal strength coutours are based
on SIGNAL STRENGTH, HAAT, ANT GAIN, DIRECTIVITY.  Directivity offsets your
coverage circle by 10 dB in a favored direction if given...

 .
On Tue, 13 May 1997, Ralph Milnes wrote:

> Summary: Our scenario assumed that a hypothetical SAR team -- with a radio
> but no GPS -- had found a lost and injured victim, but couldn't accurately
> describe their position for a helicopter pickup. Our objective was to test
> if simple RDF methods, used in conjunction with APRS software, would be
> effective in identifying the team's location. In essence, 5 stations
> conducted a cooperative fox hunt.
>
> We found that the APRS software appears to be an excellent tool for
> plotting the location of field stations (or hunters), for triangulating the
> location of the target, and for overall coordination of the event.
> Unfortunately, the accuracy of RDF bearing reports from the field stations
> was poor, and so we were not able to locate the target.
>
> Objective: The object of this drill was to determine if hams could assist
> SAR personnel by using RDF methods to determine the position of a search
> team. Our premise was that, in real life, a search team might not have a
> GPS unit, but it would have a radio operating in the 144-156 MHz range.
> Further, we assumed that amy assisting hams would have only simple RDF
> gear, such as HTs with shielded tubes or RDF antennas, such as a
> Handi-finder, but not Doppler units.
>
> Setting: This was an exercise conducted by the RACES/ARES of Chatham, NJ
> around the Great Swamp, a flat, mostly wet, unpopulated area about 7 miles
> by 2 miles. It sits at the bottom of a bowl formed by hills rising as much
> as 150 feet. There are no roads into the swamp. Hikers occasionally get
> lost in the swamp, particularly at night.
>
> Tactical Plan: Because of the terrain, we did not want hams venturing into

> the swamp. Instead, we stationed hams in 5 locations surrounding the swamp.
> Their locations were easily and accurately placed on a detailed APRS map.
> Our hope was to get 3 or 4 stations to report accurate (+/- 6 degrees)
> bearings that APRS could use to triangulate the target. The RDF teams were
> told to take two or three bearings from different spots within 100 feet of
> their assigned station.
>
> Results: Of the 5 teams, only 2 were able to report a bearing that was
> within 20 degrees of the target. One station was completely unable to hear
> the target, probably because of poor location. The other 2 stations
> reported bearings that were sometimes 90 (or 270) degrees off  the mark.
> Second and third RDF samples from each station often produced extremely
> different bearings, even though they were taken within a few feet of each
> other.
>
> The wide variation in readings produced no apparent "consensus" of the
> target location and no way to differentiate "reasonably good" bearing
> reports from the "bad". If this had been an actual situation, we would
> *not* have been able to pinpoint the target using stationary hams.
>
> Preliminary Analysis:
>
> 1. APRS - APRS (in this case, WinAPRS 1.4) performed admirably. It was easy
> to put the station positions and their RDF reports/vectors on the map. The
> graphics made it easy to see what was happening.
>
> For comparison purposes, we also had a person plotting positions and
> vectors on a paper map.
>
> APRS was quicker; superior in its visual display; made incorrect plots
> easier to re-do; and quickly showed the Lat/Long reading for any position
> (just click on the map) or the approximate distance between points (click
> and drag). (One wish list item: display point-to-point distances in nearer
> tenths of a mile instead of nearer mile).
>
> Command personal naturally gravitated to the APRS screen rather than to the
> paper maps.
>
> One observation: when a fixed station reported a second or third bearing,
> we opted to *replace* the previous bearing. In retrospect, it probably would
> have been better to *add* the new bearing to the screen by creating second
> and third stations at the same spot, i.e. TeamA-1, TeamA-2, TeamA-3. Such a
> composite might have allowed us to see a general pattern. (Other suggestions?)
>
> 2. RDF methods - The focus of our failure has to be on our RDF methods.
> We're not exactly sure why we had such poor results. We welcome any
> suggestions, particularly from anyone who has experience in RDF in a canyon
> or bowl-shaped geographic area.
>
> We suspect a combination of factors were at work: operator inexperience
> with unsophisticated RDF methods; mis-calibrated Handi-finder units; signal
> reflections from the hills, buildings, or electric transmission towers
> surrounding the swamp; and perhaps RF from distant stations or splatter
> from nearby frequencies.
>
> In this exercise as in many SAR operations, the terrain limited the RDF
> hunters from moving in closer and closer to get more and more accurate
> readings as is typical in a fox hunt. Perhaps in such "long distance" RDF
> situations, a multitude of bearing reports -- mostly good, some bad --
> might be a better way to approximate the target's position. And rather than
> using a few fixed stations, it would probably be better to have mobile
> stations. A mobile Doppler unit(s) would probably have worked much, much
> better.
>
> Other suggestions form the SIG would be welcomed!
>
> 3. Maps - One item of concern was the mix of maps being used. I don't know
> if this is a national SAR trend, but our police department prefers to use
> USGS maps (based on UTM) for SAR operations. This presents a problem when a
> APRS Long/Lat map is being used at the command center and USGS maps are
> being used in the field by searchers. A translation needs to be made from a
> APRS-calculated Lat/Long position to anyone using USGS (UTM) maps.
>
> Does anyone see a solution to this "mixed map" problem? I guess I could try
> to convince the local emergency personnel to switch to paper Lat/Long maps
> of local areas (are they available?). What does the Civil Air Patrol use?
> What do medivac helicopters use to go to a specific location? (I assume
> Lat/Long.)
>

> 
> Final Opinions:
> 
> This initial experience suggests that simple RDF methods in long distance
> searches (a mile or more away from the target) would be difficult.
> Certainly, any participating ham would need more than a minimum level of
> RDF knowledge and experience.
> 
> It also appears that a plan to use bearing reports from a few widely spaced
> but stationary RDF teams isn't likely to be effective. Instead, it's better
> to get more reports from more locations from two or three mobile teams
> (less people, too!). Such mobile teams would not need GPS units if they
> were operating in areas with obvious visual references. The map detail in
> APRS would allow the APRS operator to accurately place team locations on
> the APRS map just by voice reports, e.g. "We're now at the cul-de-sac at
> the end of Miller Road".
> 
> Perhaps the best approach is avoid the need for RDF: outfit all SAR teams
> with GPS units.  It's obviously a more expensive approach, but also more
> reliable and accurate.
> 
> Extending that idea further, SAR teams should also have TNCs/Mic-Es/MIMs to
> automate position reporting. Hams might want to encourage SAR agencies to
> find the funds for GPS units, while the hams start to explore how best to
> wire up the portable packet encoding hardware for transmitters.
> 
> ****
> 
> RM
> 
> 

APRSdos REPLY/COMMENT:

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See  APRS  LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 399. Rockets For Schools Launch (fwd)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 15:42:16 -0400 (EDT)
To: aprssig@tapr.org
Cc: heineng@orbitec.com
Message-ID: <Pine.SOL.3.96.970513153732.7509E-100000@arctic>
Rendered body type: text/plain

See forwarded messasge for lots of rocket balloon launches.  But first
everyone note that I am updating my ARICRAFT.TXT file to recommend the
path of GATE,WIDE for all APRS/GPS datafor both Balloons and Aircraft.

*  On APRS freqs it allows automatic gating to HF
*  On unique or UHF freqs, it allows anyone to set their TNC with the
   alias of GATE to digi the data over to the APRS freqeuncy...

DO NOT USE RELAY OR ANYTHING MORE THAN ONE WIDE!

---------- Forwarded message ----------
From: Greg Heinen <heineng@orbitec.com>

Bob:  We are launching several balloons, Suborbital rockets and payloads
from the spaceport sheboygan, in Wisconsin.  Event is May 17, 1997.  Here is
a frequency list:

Here is the Frequency Coordination for Sheboygan.  Distribute freely, ASAP

1315 CST May 17
Super Loki #1.....................434.000 MHz
                                  Audio Subcarrier telemetry in Morse
Spaceport Sheboygan

1515 CST May 17
Super Loki #2.....................434 MHz
                                  Audio Subcarrier telemetry in Packet
                                  GPS (GPGGA with alternating Lat, Lon
                                  and Altitude), 4 channels of sun
                                  pointing data (MIM channels 0 - 3),
                                  where direct sunlight is 0 and sky is at
                                  255

```
                                        Altimeter on MIM channel 4,  Calibration
                                        is in progress, but is 8 bits.
                                        CWID and beacon.  Use the tuner on an
                                        Old TV set to fine tune the audio at
                                        438.5000 or some other broad band tuner.
                                        Altitude for GPS has altitude
                                        restriction removed
Spaceport Sheboygan


0700 CST May 17
Grand rapids Balloon with ATV, APRS     439.250 MHz, Audio Subcarrier has APRS
  Dave Chesser (KA9NHL)                                   Color Cam
(From Grand Rapids, MI)

1030 CST May 17
Sheboygan Spaceport Weather Balloons    426.25 MHz, ATV
Joe Mayenschein

1200 CST May 17
Special Project Launches                427.000 MHz, ATV
Forrer/Justus

Kingsford MI HS Rocket                   439.25 MHz
(Spaceport Sheboygan)

1645 CST May 17                         146.565 MHz
Special Project Launch                  APRS to 10,000 feet Jupiter Zodiac GPS

(Could do Kingsford here as well)

USCG Marine Frequencies :               157.175  83 Alpha
                                        151.800  16 Charlie
                                        157.100  22 Alpha

Also, APRS tracking on 145.790 from Sheboygan

The lokis and special projects have horizontal antennas.  The balloon has
vertical antenna polarization.
```

## 400. APRS at DAYTON WEB PAGE!

```
From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 16:03:13 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513155854.2079A-100000@arctic>
Rendered body type: text/plain
```

I just checked the page and someone has uploaded a recent file.  SO my end is working in full automatic.  Current file is less than 2 hours old.  My automatic process only grabs the file every hour on the hour, so if you post it, it should show up after the next hour.

Does anyone have time to see if the Dayton folks have a web  page and if so, to encourage them to put a link to my APRS DAYTON PAGE?  I dont have time to do the searching and the politicing...  but if they have a web page, it outta show everyone who is there! hi hi (APRS wise that is)

See DAYTON LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See  APRS  LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 401. Re: [APRSSIG:12519] PL/CTCSS Tones

```
From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 13 May 1997 15:28:02 -0500
To: aprssig@tapr.org
Message-ID: <3378CED2.24FB@stans.com>
Rendered body type: text/plain
```

Sometimes repeater coordinating organizations will REQUIRE use of CTCSS for closely-spaced repeaters, but it is usually up to the person(s) who are financing the repeater as to whether or not tone access will be used, whether or not the repeater will retransmit tones, and what tone(s) will be used.

Some repeaters use MDC, Motorola's proprietary data scheme that identifies a radio on key-up with a 1200 bps ASCII data burst, for access, partly to discourage others from accessing. If you're call sign *and radio* aren't known to the repeater, you can't bring it up!

PAUL MANNING wrote:
> Are there any rules in, Amerature Radio, when using PL/CTCSS
> tones??
> If not, should there be basic informal practices followed when
> using such tones??
> It would be nice to set aside specific tones for repeater inputs,
> repeater outputs,non-voice packet transmissions etc...

## 402. Re: APRS-assisted RDF Exercise -Reply

From: Ralph Milnes <milnes@openix.com>
Date: Tue, 13 May 1997 16:56:29 -0400
To: aprssig@tapr.org
Cc: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Message-ID: <3.0.1.32.19970513165629.0069e3bc@openix.com>
Rendered body type: text/plain

Paul, thanks for the reply.

>I find the reason most people fail is they wait until the day of the Fox
hunt to try
>anything.  I have always tried to encourage potential hunters to practice,
>practice, practice.  It is the only way you will get familiar with your
>equipment.  An attenuator used properly will eliminate most "ghosts" or
>"reflections" when used properly.  You still need to practice when using
>this device also.  You must get very comfortable with your equipment, to
>be efficient.  Maybe a training class for those interested would be a good
>thing?  Then several practice sessions.

I think you're right on, Paul. Good solid advice.

What methods do you use for attenuation?

Ralph, KB2WBV
Milnes@openix.com

## 403. Re: [APRSSIG:12522] Tripmate and Mim

From: Wes Johnston <kd4rdb@usa.net>
Date: Tue, 13 May 1997 17:30:21 -0400
To: pbaird@erols.com, aprssig@tapr.org
Message-ID: <3.0.32.19970513172858.006df820@coca.net>
Rendered body type: text/plain

At 01:49 PM 5/13/97 -0500, you wrote:
>To anyone that has a Tripmate-
>Is there enough room in the battery compartment to install a Mim or
>similar Pic to eliminate the need for the KPC-3 and make a compact
>tracker? I haven't seen a Tripmate since they're sealed in the box
>at the store and would like this info before forking out the bucks.
>Thanks- Pat N3MKP at pbaird@erols.com

YES, there is enough room.... great idea!
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 404. APRS OMNI technique.

From: Ralph Milnes <milnes@openix.com>
Date: Tue, 13 May 1997 17:31:34 -0400
To: Aprssig@tapr.org
Message-ID: <3.0.1.32.19970513173134.0069daa0@openix.com>
Rendered body type: text/plain

Bob, thanks for the reply.

You wrote:

>Concerning the Great Swamp SAR exercise, I would ask that you consider
>doing it again but use the APRS OMNI technique...

I thought you might suggest that! :-)

 And it's a good suggestion. I guess we thought we would stick to methods
we were more familiar with this time, but next time.....

I guess I was also thinking that evaluations about PHGD might be hard for a
mobile team to determine. But with a little training, a topo map, etc.
maybe not.

Is OMNI as effective when all stations are within three miles? What if
everybody is getting an S9? I assume you would need to attenuate the signal
somehow and make some corresponding change in the "gain" . What change?

Also I assume the OMNI would work with directional attennas, too. Just
factor in the directivity in the PHGD.

But here's a puzzle: The station that heard nothing was among the closest
to the fox ... and elevated!!  He should have had the best range of all. I
can only guess it had to do with building interference, a not obvious topo
blockage, or weak batteries. Unless we had correctly factored all that in
when evaluating his PHGD,  his null wouldn't be valuable. For example, I
would have guessed his height would have given him a pretty high PHGD, so
his null would then have told us the target was nowhere in the swamp!

Still, it's something we should experiment with. One thing we learned from
this exercise is that RDF-inexperienced hams who turn out for an emergency
event may have their hearts in the right place, but they are as likely to
hurt as to help. The OMNI method allows them to contribute always in a
positive manner.

Thanks for the suggestion, Bob.


Ralph, KB2WBV
Milnes@openix.com

## 405. Re: [APRSSIG:12483] Re: repeaters generating packet on their own

From: "Rich Garcia" <n2czf@magg.net>
Date: Mon, 12 May 1997 19:35:36 +0000
To: aprssig@tapr.org
Message-ID: <199705132149.RAA24751@grumpy.magg.net>
Rendered body type: text/plain

This is a much more acceptable alternative. Also an alternate way to
use the MIC-Encoder on a repeater. PL on Repeated Audio on the
machine, PL OFF the Repeater is not accessed BUT the Repeater's RX
still hears the packet and relays it to a radio on your local APRS
frequency.

One old friend on this sig uses the repeater's TX as a digi station.
If you transmit on the repeater's output simplex you have access to
the digi, if you transmit 600 KHz up then you are using the repeater
NOT the digi. The first and only time that I ever saw that but it
works very well! <Hi Boyd>


> Date:          Mon, 12 May 1997 15:51:22 -0500 (CDT)
> Reply-to:      jra@crosslink.net
> From:          Jack Anderson <jra@crosslink.net>
> To:            aprssig@tapr.org
> Subject:       [APRSSIG:12483] Re: repeaters generating packet on their own

> It's a good idea, but I think the packet needs to be on the output frequency.
>
> CTCSS ON  = voice traffic
> CTCSS OFF = packet
>
> All (or nearly all) modern rigs have CTCSS decode, so the voice users
> needn't be bothered.
>

> janderson@rcc.com - at work
> jra@crosslink.net - at play
> Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs
>
>
Rich Garcia N2CZF
n2czf@magg.net
n2czf@qsl.net
Jupiter Farms Fl.
http://www.magg.net/~n2czf/aprs.html

## 406. Re: [APRSSIG:12529] APRSSIG digest 1016

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Tue, 13 May 1997 17:23:12 -0500
To: aprssig@tapr.org
Message-ID: <v03020909af9e994c844d@[192.168.1.2]>
Rendered body type: text/plain

Try:

 ftp://ftp.tapr.org/tapr/SIG/aprssig/files/mic-e/misc/XR-2211_DCD_1.TIF
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/mic-e/misc/XR-2211_DCD_2.TIF
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/mic-e/misc/DCDmod1.GIF

Instead -- until we get a better place for the files.  I had thought the I
could do a symbolic link and the web would follow it -- but no such luck.

I'll be moving all these files after Dayton up to the tapr level.

Cheers - Greg


> Date: Tue, 13 May 1997 15:20:47 +0000 From: "Ronald G. Parsons"
> <w5rkn@amsat.org> To: APRS-SIG <aprssig@tapr.org> Subject: Re: Repeaters
> supporting the Mic-Encoder? Message-ID: <337886CC.70E8@amsat.org>
>
> There are several files on the mic-e ftp directory that address this
> question:
>
>
> The latter is a mod to the TAPR DCD State Machine to reduce false hits
> on voice repeaters. Let me know of your ideas as I have not implemented
> all of this put together.
>
> Ron W5RKN

-----
Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
http://www.tapr.org/~wd5ivd
-----

## 407. Re: MAP HELP

From: Arte Booten <n2zrc@webspan.net>
Date: Mon, 12 May 1997 22:41:39 -0400
To: aprssig@tapr.org
Message-ID: <3377D4E3.57B@webspan.net>
Rendered body type: text/plain

Hi all,

Bob Thomas wrote:

>Does anyone know of an aprs compatible map that includes the applachian
>trail?  We are especially interested in the east TN/NC segment.

     Before folks start to run off and duplicate efforts, I seem to re-
member this coming up last year.  I think somebody already made such a
map (it was for the fellow that was asking about the smallest, lightest
stand-alone application, to jog your memory.)  73
--
                  __                  Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___  Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
==============================           Local APRS Elmer
  ___'---...______...---'___   (Automatic Position Reporting System)
 (___)      _!__!_      (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
     `````.__'--'__.''''`Cruise Missile Coordinates 4052.71N/07354.06W
               ````

... But those coordinates are deep within the planetoid ...

408. FWD: From The Hudson Division Loop #27

From: Arte Booten <n2zrc@webspan.net>
Date: Tue, 13 May 1997 09:28:22 -0400
To: aprssig@tapr.org
Message-ID: <33786C76.2682@webspan.net>
Rendered body type: text/plain

Hi folks,

Oh, great. Now Mercedes-Benz owners will have something to do between cellular phone calls, fixing their hair and make-up and changing audio C-D's! I can just see it now: The driver, coming across a really neat Java-enabled web page calling up his buddy to rave about it while listening to too-loud heavy-metal music, all while puttering on the freeway at 85 MPH! 8-{O 73

==========

TEST-FITTED MERCEDES E420 GOES BEYOND APRS

As part of a demonstration of technological feasibility, a Mercedes E420 automobile has been outfitted by Daimler-Benz research engineers with equipment to allow its driver and passengers access to the Internet and the World Wide Web. The idea is that, sometime in the future, it will be routinely possible for drivers to do such things as receive customized traffic alerts, allow car repair centers to conduct remote diagnoses of automobile breakdowns, do e-mail, and of course read Edupage. The demonstration vehicle is equipped with three flat-panel displays, a wireless digital cellular phone and modem, a palmtop computer for transferring data to the car system, and a global positioning navigational system that uses satellite transmissions to display map data and other information.

-- New York Times 4/29/97

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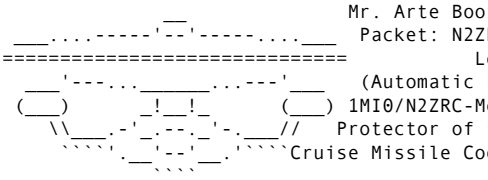
--


Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W

... But those coordinates are deep within the planetoid ...

409. Dayton

From: rwf <rwf@mindspring.com>
Date: Tue, 13 May 1997 18:45:55 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970513184543.00ddfea8@mindspring.com>
Rendered body type: text/plain

Soon I will be leaving for Dayton, accompanied by the largest (yet) party of APRSers I have heard of. We will have about 17 forlk (10 APRSers) from Atlanta with us, joined by WB6JAR fron San Diego, KE0FF (Joe Haas) from Austin and WA4SSP from North Carolina. Bill Brown (WB8ELK) the Balloonmeister will also be staying with us.

We'll be arriving Thursday afternoon and will be set up in flea market spot 4241.

All of you are welcome to come by, and/or to call us on our onsite repeater: 442.800 (+5 MHz) 103.5 PL required.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask me how!

410. Re: [APRSSIG:12534] FWD: From The Hudson Division Loop #27

From: Steve Dimse <sdimse@bridge.net>
Date: Tue, 13 May 97 18:51:20 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705132251.SAA15772@bridge.net>
Rendered body type: text/plain

On 5/13/97 6:44 PM Arte Booten (n2zrc@webspan.net) wrote:

> Oh, great. Now Mercedes-Benz owners will have something to do be-
>tween cellular phone calls, fixing their hair and make-up and changing
>audio C-D's! I can just see it now: The driver, coming across a really
>neat Java-enabled web page calling up his buddy to rave about it while
>listening to too-loud heavy-metal music, all while puttering on the
>freeway at 85 MPH! 8-{O 73
>==========
> TEST-FITTED MERCEDES E420 GOES BEYOND APRS
>

>   As part of a demonstration of technological feasibility, a Mercedes
>E420 automobile has been outfitted by Daimler-Benz research engineers
>with equipment to allow its driver and passengers access to the Internet
>and the World Wide Web. The idea is that, sometime in the future, it
>will be routinely possible for drivers to do such things as receive cus-
>tomized traffic alerts, allow car repair centers to conduct remote diag-
>noses of automobile breakdowns, do e-mail, and of course read Edupage.
>The demonstration vehicle is equipped with three flat-panel displays, a
>wireless digital cellular phone and modem, a palmtop computer for trans-
>ferring data to the car system, and a global positioning navigational
>system that uses satellite transmissions to display map data and other
>information.

If the TAPR/WaveLAN purchase had gone through, by now my van would
already have Internet access...maybe by next year....

Steve K4HG

411. Re: [APRSSIG:12518] APRS-assisted RDF Exercise

From: blitz <blitz@cataract.nfss.edu.on.ca>
Date: Tue, 13 May 1997 19:01:24 -0400
To: Ralph Milnes <milnes@openix.com>
Cc: aprssig@tapr.org
Message-ID: <1.5.4.32.19970513230124.006cd264@strikenet.ccnn.net>
Rendered body type: text/plain

At 02:47 PM 5/13/97 -0400, you wrote:
>Marc, thank for the many, terrific suggestions. I'm going to share them
>with my team members.
>Lots of good stuff in your message!
>
>>Ok, error #1: Positions should have been taken further apart than 100 feet.
>
>Our teams were .5 to 1 mile apart. Each team took 2 to 3 sample bearings
>within 100 feet.
>Did I confuse you with my description, or am I not picking up what you mean?
>
Ahh! I read it as they took reading in a 100' area around where they were
originally positioned. I personally like .5, 1.0 and about 2 miles as the
first three positions taken. This should reveal a lot about how far, and in
what direction the fox is in. It also is great enough to get out from under
any multipath present at any one spot (results vary, especially in dense
urban territory, which we avoid like the plague for fox hunts).

>>Huh? Somebody's gotta go in and find him, actually get to the fox.
>>Otherwise in a real situation, youre wasting resources. The aim should be to
>>get as close as possible as soon as possible. If some guys cant get in close
>>for whatever reason, (like their rcvr is getting swamped with signal) let
>>the guys with antennuators go in further. I can see why you exercized the
>>way you did, but in a real "plane down" or other RDF operation, the aim is
>>to get there ASAP.
>
>You're right, in a "plane down", we'd go get wet. In our drill scenario,
>someone was already in there and wet. We were just trying to determine the
>exact Lat/Long so that a helicopter could go in and get that person out (or
>give them advice on the quickest way out from where they were). I think we
>were trying to do what you suggested in your paragraph below... we were
>hoping 3 good readings from afar would do the trick ...
>
>>Don't forget, in an emergency, your base stations with the stay-at-homers
>>will be immensely valuable in determining the rough area to go to, as they
>>usually have a rotary beam and a S-meter and are at a KNOWN location.
>>A quick plot of their observations will be a basis for the field operations
>>by the time they are deployed. Even one fixed station reading cuts your fix
>>time by one third by giving you a line to intersect. (Of course we all know
>>we have to use at least three positions for accuaracy...(g))
>
>
>Marc (it is, right?), thanks again for the encouragement and good ideas.
>You're right on .. we need to practice more.
>
>
>Ralph, KB2WBV
>Milnes@openix.com
>
>Great, I in no way want to dampen entheusim for the sport.

let me tell you a real life story what happened up here in Western NY. (Im

American though my server is just over the ditch in Canada eh?)

One night, in the middle of the winter some years ago, a transmission came in on a local repeater output, the guy claimed he was in a plane that had just flown into American airspace from Canada, and had crashed. He said he had been unconsious for some time, and when he awoke, he found the pilot dead and the other passenger near dead. The first report came in around 10PM, and it was about +10F outside.
The sheriff's office was contacted, and within minutes the red alert was out. The hams were alerted, and brought out their direction finding equipment and did some "on the fly" readings, as the signal was found to be on the opposite end of the county, some 30 miles from most of us. The transmissions were weak to say the best, and the stationary hams took plots with their beams and pointed to a fairly remote area of the county as where the signal originated. Needless to say, everyone pulled out all the stops. Sheriffs helicopters were brought in from neighboring counties, the state police put their choppers up in the air, the medivacs were brought in and all over the county volunteer firemen and other volunteers converged on the scene. The transmissions continued on for some time then faded out as if batteries were dying. The only thing was that the radio had a very funny sound to it when it transmitted.

I came into the picture around midnight, and stayed with the crews until the dawn, nothing was found. We searched with 4x4's and helicopters all night, the CAP was there, as well as Canadian S&R fixed wing aircraft. No flight report was found for the plane filed anywhere.

The next morning, at dawn, we went back out in my 4x4 and others did likewise. I have radios on all the police frequencies being affiliated with Emergency services of our county. I remember one state police pilot saying it looked like pac-man with all the traffic on the ground once the search resumed at dawn. The long and the short of it was it was a hoax. It was a hoax perpetrated by a wanna-be ham, wanna-be volunteer firefighter, about 18 years old. He was caught. How? My boss in the communications division made careful note of the sound that radio made, a very distinct sound, very distinct. In his subsequent travels later in the week, he stopped at a radio shack in the area that handled used equipment. He looked at a used heathkit HT that the clerk told him a guy had checked out for a few days and brought back to the store. Upon listening to the radio over HIS handheld, it was determined the radio was indeed the one that we had heard the night of the hoax.

The sheriff's were contacted, and the kid was sumarily arrested and charged with some very minor crimes, no federal charges were ever brought. He was arraigned and ultimatly pled guilty and was given jail on weekends and a bunch of community service, which incidently, he wanted to perform at local fire departments. None would have him on their property, and they told the judge this quite firmly!

So we have had experence with what could of been a major incident with lost life, in fact the kid was standing along with the S&R personnel while the search was being conducted. At that point in time, no one was concerned about one stranger amongst the crowd. This story was written up in QST and we critiqued it to death over the nets for weeks. All of it made us more cohesive and better able to deal with the "next one".

Did it dissuade anyone from participating? NO! If it were to happen again, tonite, under similar circumstances, I'd be there again, and if the next day, again, and again...etc.

DF'ing is a skill, honed with practice and hopefully never needed under circumstances mentioned. It's all in keeping with the tradition of hams assisting, and reminding those at the top, in government and business, we have these frequencies because of SERVICE...thats why its called the Amateur Radio SERVICE.

Im sure you'll all improve with practice. Hey, with the warming weather, pick a nice day on a weekend and have everyone DF into a hotdog cook at a park..we find that encourages people to come out. Don't announce it, and see who the players are and who the talkers are...(g)

Good DF'ing..and again, sri for all the bandwidth.

.\\arc
blitz@cataract.nfss.edu.on.ca

"Nuclear winter is over. The lawn just captured and ate it's first robin!"

412. APRS Trademark

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 13 May 1997 20:55:37 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970513204719.27963C-100000@arctic>
Rendered body type: text/plain

And VP Gore wants to re-invent government... I wonder why.... After several hundreds of $$$ and 17 months, I finally got last night my official notification from the Federal Office of Trademarks and Patents that I have received the Registered Trademark of APRS.

The original official documentation said it would take about 6 months.

If I were a small business and my livelyhood depended on the government's reasonable processing of my paperwork, I would be out of business by now... Now I can finally have those T shirts printed! But too late for Dayton! ARGH.

See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

---

413. APRS QRT mode

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 13 May 1997 22:06:19 -0500
To: bruninga@nadn.navy.mil
Cc: aprssig <aprssig@tapr.org>
Message-ID: <33792C2B.13D1@stans.com>
Rendered body type: text/plain

Congratulations on the APRS(r), but...

I've been noticing some weirdness when using APRS's F6 QRT mode. Right now, I have two mobiles on my screen that are alternating between reporting their real position, and an APRS-created beacon of their last QRT location. Makes a plot of their travels kind of weird... KC6ETE jumps back to Muncie, IN, between pairs of positions in NE IL, moving towards Milwaukee!

When I've used it in my mobile, the QRT packets have had paths as part of the comment, so I've taken to putting a corrected BTEXT statement into RESTORE.TNC file.

[I was going to check what the exact string in ETE's BTEXT, but he's in Muncie right now...~]

---

414. Re: [APRSSIG:12506] Re: repeaters generating packet on their own

From: Patrick Cook <patcook@dimensional.com>
Date: Tue, 13 May 1997 21:13:29 -0600 (MDT)
To: Brent Hildebrand <BHildebrand@worldnet.att.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970513211128.15939A-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 13 May 1997, Brent Hildebrand wrote:

> We had implemented on our local repeater and output PL on only with a
> carrier on the input. This made all announcements and beeps, etc. silent
> when decoding PL on the user side. It worked great. Having packet data on
> the output could work and certainly from a repeater construction point of
> view, it would be much easier on the output.
> .
> Having packet transmitted on the input but the USER with a MicE like
> encoder that produced it's Braap on Key up could be used by the repeater to
> limit access to the repeater based on callsign or even geographic location.
> Not a recommendation, just a thought.

Oh...ic. Sort of like what comes over the police repeaters when *their* transmitters are keyed. If so, then YES..... :)

Patrick, KB0OXD
Denver, Colorado

---

415. APRS QRT mode again

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 13 May 1997 22:26:23 -0500
To: Bob Bruninga <bruninga@nadn.navy.mil>, aprssig <aprssig@tapr.org>

Message-ID: <337930DF.7420@stans.com>
Rendered body type: text/plain

Question - if I hit F6 when I stop, but do not shut down APRS and
restart it before moving again, what is it going to do?

The reason I ask is that F6 puts the current position into BTEXT, and
sets the beacon to 20 minutes. *Starting* APRS turns the beacon OFF.

But, KC6ETE has both a QRT beacon and APRS data flowing out the radio
port, and the beacon is from central Indiana, not near his home. I have
emailed him to ask him what he did, but, I would ass-u-me that he
stopped for dinner somewhere, hitting F6 before he got out, but not
turning APRS off. When he came back to the car and started driving...

416. Correction on APRS QRT mode

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 13 May 1997 23:00:59 -0500
To: Bob Bruninga <bruninga@nadn.navy.mil>, aprssig <aprssig@tapr.org>
Message-ID: <337938FB.416F@stans.com>
Rendered body type: text/plain

Just reviewed the history on KC6ETE again, once he reappeared on my map,
and find that he is now sending out "just" $GPGGA data, and not APRS
cooked GPS data, so I guess I've got NO idea what APRS/DOS does when you
start moving again after going QRT...

417. Re: [APRSSIG:12539] APRS QRT mode

From: Ann Pagel <apagel@stonewest.com>
Date: Tue, 13 May 1997 23:46:09 -0500
To: jeffb@stans.com
Cc: aprssig@tapr.org
Message-ID: <33794391.4ADC@stonewest.com>
Rendered body type: text/plain

Jeff Brenton wrote:
>
> Congratulations on the APRS(r), but...
>
> I've been noticing some weirdness when using APRS's F6 QRT mode. Right
> now, I have two mobiles on my screen that are alternating between
> reporting their real position, and an APRS-created beacon of their last
> QRT location. Makes a plot of their travels kind of weird... KC6ETE
> jumps back to Muncie, IN, between pairs of positions in NE IL, moving
> towards Milwaukee!

(Shhh. I'm testing my teleporter!! Kc6ete)
AFAIK I never hit F6 since turning it on in Muncie, but it may have old
BLT and LTP info from last session in tracker mode.

> [I was going to check what the exact string in ETE's BTEXT, but he's in
> Muncie right now...~]

Hartland wisconsin. It's my secret shortcut to dayton.
Actually I have to talk to a vendor about some SMPS transformers they
installed backwards and SHIPPED TO CUSTOMERS !#%!$!$!

See ya all at Dayton!

418. Re: [APRSSIG:12542] Correction on APRS QRT mode

From: rwf <rwf@mindspring.com>
Date: Wed, 14 May 1997 00:48:44 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514004834.009e1e38@mindspring.com>
Rendered body type: text/plain

He probably has a Pico packet and he turned off his computer (or the
battery died). The TNC went into tracker mode automatically and is now
sending raw gps data.

If Bob changed what happens when F6 is pushed, then he just recently did.
Last time I looked, he just forced the heading/elocity on the posit report
to zero.

At 11:04 PM 5/13/97 -0500, you wrote:
>Just reviewed the history on KC6ETE again, once he reappeared on my map,
>and find that he is now sending out "just" $GPGGA data, and not APRS
>cooked GPS data, so I guess I've got NO idea what APRS/DOS does when you

>start moving again after going QRT...
>
>

419. Re: [APRSSIG:12542] Correction on APRS QRT mode

From: Roger Sellers <rsellers@rockford.com>
Date: Wed, 14 May 1997 00:06:52 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514000650.006c1314@rockford.com>
Rendered body type: text/plain

At 11:30 PM 5/13/97 -0500, you wrote:
>
>Just reviewed the history on KC6ETE again, once he reappeared on my map,
>and find that he is now sending out "just" $GPGGA data, and not APRS
>cooked GPS data, so I guess I've got NO idea what APRS/DOS does when you
>start moving again after going QRT...
>
>
I've been playing with a tracker the last week or so. After I go for a
drive, I'll sometimes come back in to check wether the tracker was working
OK. I'll click on the Icon to track and select replay track.
  I've seen a similar situation to what your talking about, but I can't hit
F6 with a tracker though. What I have noticed on my home screen is a bit
confusing. I see lines on the screen seperate of the track that goes from a
point on the tracked path back to the start/home point. This puts LOTS of
extra lines and clutter on the screen when I replay the track using
WinAPRS. And makes the screen difficult to follow.
    I'm not sure how many versions back it does this, but I know it's the
WinAPRS v. 1.4.0 and 1.4.5. Bewtween this and my station bouncing icon back
and forth to a WX icon, I trashed version 1.4.5

73,

Roger Sellers   KB9LBU
email: Home: rsellers@rockford.com
             KB9LBU@juno.com
       Work: rsellers@snds.com

420. Re: Definitions

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 14 May 1997 02:10:48 -0700
To: jra@crosslink.net, aprssig@tapr.org
Message-ID: <3.0.32.19970514021045.006943dc@mailhost.primenet.com>
Rendered body type: text/plain

At 03:58 PM 5/12/97 -0500, Jack Anderson wrote:

>It's the sound a repeater makes when one briefly keys their radio on the
>input frequency, without talking.
>
>"kerCHUNK"
>

My club, the ThunderBird ARC, has a GE repeater on Phoenix General
Hospital, that has real mechanical relays.
It indeed makes a "kerchunk" in the cabinet when the COR kicks on...

>Really applies to repeaters where you can hear a short squelch tail burst
>after unkeying, i.e., the "chunk".

We have a few kerchunkers that will sit on a repeater and kerchunk it over
and over and over...
I think they like the ARA courtesy tones... the Shaw Butte 2 meter repeater
gives three tones, two high pitch and one low pitch. The first is a
courtesy beep, the second denotes link active, the third denotes autopatch
functioning.

> Still, many do it simply as a quick test to see if
>they can "hit" the "machine".
>

Guilty, as charged. I find myself doing this...but I always try to ID if I
can hit the repeater.

As for packet over voice repeaters. This is common in Arizona, and one can

even hear long packet transmissions in the wee hours of the morning over
many voice repeaters. I don't think anyone here would get to bent out of
shape with a short packet burst at the end of a voice transmission.

73,

Mark
KC7BXS
sparkfel@primenet.com

421. Hurricane Drill and APRS

From: Dale Huguley <kg5qd@naples.net>
Date: Wed, 14 May 1997 01:02:04 +0000
To: aprssig@tapr.org
Message-ID: <33790F0C.4FC@naples.net>
Rendered body type: text/plain

To the sig- Beginnning Thursday May 15 thru May 23rd there will be an on the air test of an extended
hurricane protocol for APRS that with the help of the Brothers Sproul may be incorporated into the
Winaprs program with an automatic parser for either the GTE weather wire or the EMWIN system. The
extended protocol adds the four quadrants of wind fields available in the "Forecast/Advisory" (formerly
known as the "Marine") for Tropical storm, Gale , and Hurricane force winds - and the eye diameter if
available. Also added are the times the forecast positions are valid, and the time for the next advisory
 for the Hurricane Center. A lot of this
data is not readily readable by humans- and the software for the reception and display for the data has
yet to be written. However the protocol should be "backwards compatable"(Please private e-mail me with
any observed irregularities). A position's name is consistant from update to update so new data
overwrites old- both as data and graphically.

The following information is from Gary- Wb2wpa--
< snipped>

   The State of Florida is holding it's fourth annual full scale, statewide hurricane exercise May 19-21
 (with some jurisdictions
playing May 17-18 as well). This exercise is run in real time, but not 24 hours per day. Off hours are
 scheduled during times
when a storm is "making landfall" when there is generally little activity, etc. During normal working
hours however, things
should be busy.
    The storm, called "Thor," is actually "Andrew" with some track and intensity modifications.
Controllers have been given the
track of the storm in advance for planning purposes, and to allow for the creation of special aids for
the "storm." We've
created some, and will be sharing them with the APRS net (HF and VHF) during the event with several
functions in mind.
    First, there is the actual exercise. To provide Florida stations and Emergency Managment operations
 with real time input,
we plan to use APRS to generate a storm track on the air. These plots will be CLEARLY identified as
DRILL_THOR for the
current position, DRILL_REF for the pre-bulletin package position, and DRILL_+## for forecast positions,
 where ## is the
12, 24, 36, 48 and 72 hour forecasts positions from the NHC forecast advisory (yes, the advisory
packages were created by
NHC for the exercise!), as the will be sent during this season using the format that has been worked out
 with APRS authors.
    The positions will be generated at either KG5QD or WB2WPA-4 in Naples, FL, and will be relayed into
the network on
both HF and VHF. If you frequently see either station on your screen, you should see these plots during
 the exercise.
    Dale, KG5QD has been working with the Brothers Sproul and His Bobness to develop a method of
generating multiple
plots with standard labels, and this will be a test of the format they have developed. This is an
important step toward the
auto-generation of APRS posits for tropical weather directly from the NHC bulletins, which (we hope!)
will be incorporated
into APRS software of all flavors SOON! This test will determine whether there are any bugs in the
protocol, and reception
reports are important!
    Finally, we hope to use this exercise as the basis for a true real time demo for emergency managers
throughout Florida, the
southeast and nationally to show it's tremendous Emergency Management capabilities. It will also be
used during the Florida
Governor's Hurricane Conference June 2-6 (over 2,000 attendees expected this year!) in Tampa, where
Keith Sproul will
demo the new v2.0 WinAPRS in workshops on 3 June.
    Florida has an unusually large numbers of Emergency Managers who are Amateurs, but very few of them
know the
capabilities of APRS. When they see them, as in a demo I did last month, they're most impressed, and
want more information.

This exercise can be the basis of an important forward step toward that end.
    So, when you see those strange hurricane plots next week, relax. We in southern Florida are NOT being blown away by a
tropical freak of nature! We're getting ready for the real thing, with the help of APRS!

73,

end of <snip>

Gary Arnold, CEM, WB2WPA
Collier County Emergency Management
E-mail: garnold@naples.net
Packet: wb2wpa@wb2wpa.#nap.fl.usa.noam

Dale Huguley, KG5QD
Collier County Skywarn Coordinator
E-mail: kg5qd@naples.net

422. Re: [APRSSIG:12544] Re: Correction on APRS QRT mode

From: Jeff Brenton <jeffb@stans.com>
Date: Wed, 14 May 1997 07:52:31 -0500
To: rwf@mindspring.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <3379B58F.38A4@stans.com>
Rendered body type: text/plain

Well, Bob forces the SPEED field to 'QRT', but there will still be a
direction if the GPS speed was non-zero when you hit F6.

rwf wrote:
> If Bob changed what happens when F6 is pushed, then he just recently did.
> Last time I looked, he just forced the heading/elocity on the posit report
> to zero.

423. Re: [APRSSIG:12538] APRS Trademark

From: Jack Anderson <jra@crosslink.net>
Date: Wed, 14 May 1997 09:58:30 -0400
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <2.2.32.19970514135830.00673940@jra.pop.crosslink.net>
Rendered body type: text/plain

Congratulations on the trademark...

FYI, your http://web.usna.navy.mil/~bruninga/radioday.html page is showing
"data valid thru 20:09 2/25/97"

Jack

At 07:57 PM 5/13/97 -0500, Bob Bruninga wrote:
>And VP Gore wants to re-invent government... I wonder why.... After
>several hundreds of $$$ and 17 months, I finally got last night my
>official notification from the Federal Office of Trademarks and Patents
>that I have received the Registered Trademark of APRS.
>
>The original official documentation said it would take about 6 months.
>
>If I were a small business and my livelyhood depended on the government's
>reasonable processing of my paperwork, I would be out of business by
>now...   Now I can finally have those T shirts printed! But too late for
>Dayton!   ARGH.
>
>See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
>See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
>See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html
>
janderson@rcc.com - at work
jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

424. RE: [APRSSIG:12406] City of APRS Silence

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Wed, 14 May 1997 07:40:00 -0700 (PDT)
To: aprssig <aprssig@tapr.org>
Message-ID: <3379CC6E@gismtpgate.gi.com>
Rendered body type: text/plain

Geoffrey Dick wrote:
...Have the members of this listserver noted any other major metropolitan
areas
of the U.S. that are in this condition?

Yeah...

Tucson AZ (But I don't know how major you think Tucson is)
But I'm working on getting things active.

Dave K7NG

425. WinAPRS Dayton Releases

From: "Truman Boerkoel" <truxenia@erinet.com>
Date: Wed, 14 May 1997 10:29:06 -0400
To: "Sig APRS" <aprssig@tapr.org>
Message-ID: <199705141430.KAA09687@erinet.com>
Rendered body type: text/plain

Is there going to be a Dayton release or update for the WinAPRS
software?

Vry 73 de Tru K8JUG
truxenia@erinet.com

426. Dayton HamVention Home Page

From: "Truman Boerkoel" <truxenia@erinet.com>
Date: Wed, 14 May 1997 10:35:05 -0400
To: "Sig APRS" <aprssig@tapr.org>
Message-ID: <199705141435.KAA10826@erinet.com>
Rendered body type: text/plain

Check out the HamVention URL for information including maps.

http://www.hamvention.org/

Vry 73 de Tru K8JUG
truxenia@erinet.com

427. Re: APRS QRT mode again

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 14 May 1997 11:00:20 -0400 (EDT)
To: Jeff Brenton <jeffb@stans.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970514105908.1191E-100000@arctic>
Rendered body type: text/plain

THe only thing that F6 QRT does is to force 000/000 course and speed.
THis way everyone will not continue to DR you after you turn th emobile
off.

It is not related to what you are seeing below.

On Tue, 13 May 1997, Jeff Brenton wrote:

> Question - if I hit F6 when I stop, but do not shut down APRS and
> restart it before moving again, what is it going to do?
>
> The reason I ask is that F6 puts the current position into BTEXT, and
> sets the beacon to 20 minutes. *Starting* APRS turns the beacon OFF.
>
> But, KC6ETE has both a QRT beacon and APRS data flowing out the radio
> port, and the beacon is from central Indiana, not near his home. I have
> emailed him to ask him what he did, but, I would ass-u-me that he
> stopped for dinner somewhere, hitting F6 before he got out, but not
> turning APRS off. When he came back to the car and started driving...
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

428. Re: [APRSSIG:12550] RE: City of APRS Silence

From: Doug Wetzel <dwetzel@earthlink.net>
Date: Wed, 14 May 1997 07:56:19 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514075618.006a5c38@earthlink.net>
Rendered body type: text/plain

At 09:42 AM 5/14/97 -0500, you wrote:
>

>Geoffrey Dick wrote:
>..Have the members of this listserver noted any other major metropolitan
>areas
>of the U.S. that are in this condition?
> --

Salt Lake City also seems to have an abnormally high resistance to APRS....

K7IP

429. WinAPRS 2.0

From: Mark Sproul <sproul@ap.org>
Date: Wed, 14 May 1997 11:06:04 -0400
To: aprssig@tapr.org
Message-ID: <v03010d25af9f84748f62@[165.1.27.20]>
Rendered body type: text/plain

I have posted the Dayton 1997 release of WinAPRS, version 2.0 on Rutgers
and TAPR

Version 2.0 of WinAPRS has MANY MANY new features and many bug fixes.
There have been MANY user requests built in.

Keith and I will be leaving Thursday morning for Dayton so we wont be back
on the SIG till Tuesday.

Enjoy

Mark

MacAPRS Version 3.0.0 - May 16, 1997 (Dayton hamfest)
WinAPRS Version 2.0.0

All underlyng window handling code migrated from C to C++
Help Window - a context sensitvie help window with up
 to date documentation.
TNC Selection, a simple way to select a TNC init file from a
 list of pre-defined settings
Find in map windows
Find in station list windows, you can now search for a call
 sign in any of the station lists.
User selectable font sizes for map labels and call signs
Printing working for list windows (not for map window yet)
Save works for most list windows
Weather Object input dialog (for quicker input of weather objects)
Improved window asthetics
More consistency between list window types
Copy text works from many (not all) of the list windows
Added polar projection map display
Support for the production release of the Mic-Encoder

_____
Mark Sproul |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
http://msproul.rutgers.edu/
_____

430. Winaprs 2.0

From: Demos Doulou <ddoulou@gte.net>
Date: Wed, 14 May 1997 12:55:10 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970514125510.006a4cc0@mail.gte.net>
Rendered body type: text/plain

Win aprs 2.0 still has the stationary position report rate defaulted to 1
minute.

Make sure you set it to a correct value. It will override any saved settings.

73

Demos Doulou

ddoulou@gte.net
KR4US kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

431. Re: A question on JAVA APRS..

From: Bob Merchant <KB8AST@mwweb.com>
Date: Wed, 14 May 1997 12:11:37 -0400
To: aprssig@tapr.org
Cc: Steve Dimse <sdimse@bridge.net>
Message-ID: <3.0.1.32.19970514121137.0069ef1c@MAIL.mwweb.com>
Rendered body type: text/enriched

Hi Steve, I had posed a couple of thoughts for consideration: 1. If there was anyway to link what I am seeing on JAVA aprs into the local network. 2. I wondered if there was any way to tie all the JAVA aprs together because it would make a good example of what APRS is and what it can do. 3. If it was possible to link all the JAVA aprs sites together, we could get a good idea of what activity is available nationwide. 4. I suggested it would take a bridge system somewhere to handle all the APRS activity and possibly one system was not the answer because of the amount of data involved. 5. There should be someway to eliminate repetition in the information. 6. This would make a very interesting tool for both the educational and weather related realms.

On Wed, 7 May 97 10:31:48 -0400..you wrote:

>If you follow the sig, you know the problems that gating causes >already. Now imagine the virtually unlimited bandwidth of the >internet trying to be gated onto a local VHF network. That is why >I feel any internet -> RF gating should be restricted to messages >sent to specific networks, no beacons or posit reports.

>The linking software I am working on is called APRServe.

>This example doesn't require two way gating, just one way as we >have now, and will have even more seamlessly when APRServe is >operational.

>Steve K4HG

Something like this would not require gating into the VHF network; but the option of doing that would possibly be beneficial. In the case of NE Ohio, we have about 4 stations within a 60 mile radius working any type of APRS activity full time. Maybe we have 4 mobiles moving through the area a week. We do get some information via one or two local HF>VHF gateways but that depends on the band openings. If we could gate what we are seeing on the Web into our local network, we just might be able to get more people involved. We could spice up the network....by adding those pockets already running JAVA aprs.

One thing which might be beneficial is some way to calculate movement and control the transmission of mobiles. A mobile at rest beaconing its position every 30 seconds would have to be filtered so posits would be transmitted every X X minutes....or maybe you would want to filter everything in that manner to eliminate the possible over-saturation of an individual VHF network. That (X X) option should be at the discretion of the local WEB JAVA aprs gateway operator. Only valid call signs should be gated (not "WIDE", "RELAY", "ECHO", etc), once gated, perhaps everything beyond the gating station should be stripped from the routing and some indication that it is destined to a JAPRS site....therefor, when N8ONI generates a WX station broadcast:
*N8ONI>RELAY>WIDE>WX:@141525z4137.38N\08104.24WT038/R000p010g011dUII

and my station picks up the "RELAY" and gates it to the Web, the extra "WIDE" would be dropped, and my KB8AST-15 substituted for the "RELAY"..you, as a viewer on the JAVA aprs site would see:

N8ONI>*KB8AST-15>K4HG-5>WX: @141525z4137.38N\08104.24WT038/R000p010g011dUII

..where the K4HG-5 would be the call sign of your JAVA aprs site. And your output, should you chose to gate WX to your local net would be something like this....N8ONI>KB8AST-15>*K4HG-5>WX:
@141525z4137.38N\08104.24WT038/R000p010g011dUII

The other possibility might be to append one "WIDE" or one "RELAY" to the routing to permit one hop out in the local network. The whole thing would take some way to distinguish between "MAIL-o-grams (using the software and VHF/HF network to chat)", "ID", "BEACON", "WX", "QUERY", "MOBILE", and "DF" information....which may be beyond the present capabilities of the software.

Yes, if we gate everything which comes through the JAVA aprs web site, we will overwhelm the local VHF network; but, there should be some way to do it, and some way to filter the information flow so it becomes less detrimental and more meaningful. The result is we entice more stations into APRS. The more stations who participate, particularly those stations with WX abilities, the better a tool it would make for the NWS and those HAM/TEACHERS who want to create an interest in Amateur radio in their students.

73, de Bob,

<color><param>0000,0000,ffff</param>KB8AST@mwweb.com

</color>KB8AST@KB8AST.#NEOH.OH.USA.NOAM

http://www.mwweb.com/kb8ast/kb8ast.htm

432. Re: City of APRS Silence

From: kd4gnx@juno.com (Richard E Jones)
Date: Wed, 14 May 1997 13:01:35 -0400
To: dwetzel@earthlink.net
Cc: aprssig@tapr.org
Message-ID: <19970514.130303.12030.4.KD4GNX@juno.com>
Rendered body type: text/plain

sounds kinda like Louisville, Ky. the closest NWS.
to all going to Dayton have fun
73
On Wed, 14 May 1997 10:06:38 -0500 (CDT) Doug Wetzel
<dwetzel@earthlink.net> writes:
>At 09:42 AM 5/14/97 -0500, you wrote:
>>
>>Geoffrey Dick wrote:
>>..Have the members of this listserver noted any other major
>metropolitan
>>areas
>>of the U.S. that are in this condition?
>> ----------
>
>Salt Lake City also seems to have an abnormally high resistance to
>APRS....
>
>K7IP
>
>

433. Re: A question on JAVA APRS..

From: Steve Dimse <sdimse@bridge.net>
Date: Wed, 14 May 97 14:14:54 -0400
To: "Bob Merchant" <KB8AST@mwweb.com>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705141814.OAA13661@bridge.net>
Rendered body type: text/plain

On 5/14/97 12:11 PM Bob Merchant (KB8AST@mwweb.com) wrote:

>
> Something like this would not require gating into the VHF network; but
>the option of doing that would possibly be beneficial. In the case of NE
>Ohio, we have about 4 stations within a 60 mile radius working any type of
>APRS activity full time. Maybe we have 4 mobiles moving through the area a
>week. We do get some information via one or two local HF>VHF gateways but
>that depends on the band openings. If we could gate what we are seeing on
>the Web into our local network, we just might be able to get more people
>involved. We could spice up the network....by adding those pockets already
>running JAVA aprs.

For increasing traffic to raise interest in APRS, gating from HF is the
way to go. The data rate is 1/4 of the VHF rate, and does not result in
network saturation. This method is time-tested to work...

Here in South Florida, the network is already saturated. A single station
who thought an internet gating capability was cool would bring the LAN to
its knees, and it would be impossible to get the local mobile and weather
data.

> One thing which might be beneficial is some way to calculate movement and
>control the transmission of mobiles.
<snip>
> Yes, if we gate everything which comes through the JAVA aprs web site, we
>will overwhelm the local VHF network; but, there should be some way to do
>it, and some way to filter the information flow so it becomes less
>detrimental and more meaningful. The result is we entice more stations
>into APRS. The more stations who participate, particularly those stations
>with WX abilities, the better a tool it would make for the NWS and those
>HAM/TEACHERS who want to create an interest in Amateur radio in their
>students.

First of all, there definitely are many worthwhile means of decreasing
the QRM on the RF frequencies, and I agree strongly that they should be
pursued. However, I do not feel that they should be used as justification
to add more QRM. The upcoming introduction of pos file queries should be
able to suck up any available bandwidth.

I fully expect the "internet frequency" of APRS to gain in popularity,
and to carry much information that will be useful and interesting to many
people. But with the near universal access to the internet now, the
question is how much of that info will be useful (not merely interesting)
to people without internet access, specifically mobiles. In my opinion,
very little.

Also, there already is a method to "gate" posits from the internet to RF.
If you are connected to an internet server with MacAPRS, you can hook a
station and then make it an active object, and MacAPRS will transmit the
reports. Direct internet connectivity is already a feature of MacAPRS,
and will be included in WinAPRS. For those rare occasions where there is
an internet object that would be of interest to others, say balloon and
rocket flights, this mechanism should suffice.

To give you an idea of how high the potential for abuse is, consider
this. Right now, connecting MacAPRS to just the Atlanta, San Fran, and LA
servers, I get 249 unique stations. Even with a design that only allowed
one report an hour from these stations, that would _average_ a packet
less than every 15 seconds. Add an increased rate for mobiles and wx
stations, double the count by allowing a single WIDE, and you have the
channel around the 100% capacity (forget that the optimum is 20 or 30%).
Then add signals from the 95% of the population not covered by the three
sites, and you have a total disaster!

I remain strongly opposed to anything that performs automatic gating onto
RF from the internet, no matter how well designed. The potential for
abuse is just too great, and we already have plenty of examples of people
who can't handle the present temptations.

Steve K4HG

434. Re: [APRSSIG:12555] WinAPRS 2.0

From: "David K. Shultz" <dshultz@epix.net>
Date: Wed, 14 May 1997 15:10:42 -0400
To: aprssig@tapr.org
Message-ID: <337A0E32.75ED@epix.net>
Rendered body type: text/plain

I can't seem to find WinAPRS version 2.0 on either Rutgers or TAPR. The
latest version I see is the 1.45 update. If it has been posted, why
can't I find it?

David Shultz

Mark Sproul wrote:
>
> I have posted the Dayton 1997 release of WinAPRS, version 2.0 on Rutgers
> and TAPR
>
> Version 2.0 of WinAPRS has MANY MANY new features and many bug fixes.
> There have been MANY user requests built in.
>
> Keith and I will be leaving Thursday morning for Dayton so we wont be back
> on the SIG till Tuesday.
>
> Enjoy
>
> Mark
>
> -------
>
> MacAPRS Version 3.0.0 - May 16, 1997 (Dayton hamfest)
> WinAPRS Version 2.0.0
>
>   All underlyng window handling code migrated from C to C++
>   Help Window - a context sensitvie help window with up
>   to date documentation.
>   TNC Selection, a simple way to select a TNC init file from a
>   list of pre-defined settings
>   Find in map windows

```
>        Find in station list windows, you can now search for a call
>         sign in any of the station lists.
>        User selectable font sizes for map labels and call signs
>        Printing working for list windows (not for map window yet)
>        Save works for most list windows
>        Weather Object input dialog (for quicker input of weather objects)
>        Improved window asthetics
>        More consistency between list window types
>        Copy text works from many (not all) of the list windows
>        Added polar projection map display
>        Support for the production release of the Mic-Encoder
>
> _____________________________________________________________________
> Mark Sproul                     |Amateur Radio: KB2ICI
> Software Engineer @ Assoc Press  |
> sproul@ap.org                   |Work: 609-860-7120
> North Brunswick, NJ             |Fax:  609-860-7129
> http://msproul.rutgers.edu/
> _____________________________________________________________________
```

435. Re: [APRSSIG:12554] RE: City of APRS Silence

From: travis@campbellsci.com (Gary Travis Roberts)
Date: Wed, 14 May 1997 13:31:38 -07:0
To: aprssig@tapr.org
Message-ID: <19970514193131981.AAA205@travis_roberts>
Rendered body type: text/plain

```
> Date:          Wed, 14 May 1997 10:06:38 -0500 (CDT)
> Reply-to:      dwetzel@earthlink.net
> From:          Doug Wetzel <dwetzel@earthlink.net>
> To:            aprssig@tapr.org
> Subject:       [APRSSIG:12554] RE: City of APRS Silence

> At 09:42 AM 5/14/97 -0500, you wrote:
> >
> >Geoffrey Dick wrote:
> >..Have the members of this listserver noted any other major metropolitan
> >areas
> >of the U.S. that are in this condition?
> > ----------------------------------------
>
> Salt Lake City also seems to have an abnormally high resistance to APRS....
>
> K7IP
>
>
Utah in General has no APRS.  I am the only one in Northern Utah that
is doing anything with it at this point that I know of.  The city of
Logan has no activity what so ever.  I and my uncle are the only ones
here that even know what it is.



==========================================================================
G. Travis Roberts                           KC7HHK

Software Engineer / Assistant Network Administrator
MIS Department
Campbell Scientific, Inc.
815 W 1800 N
Logan, Ut 84321
Phone:  (801) 750-9583
FAX:    (801) 750-9579
E-mail: travis@campbellsci.com
http://www.campbellsci.com
Personal http://webpage.tcsourceone.com/travis/
Packet BBS: KC7HHK@N7UWX.UT.USA.NOAM
==========================================================================
Campbell Scientific, Inc.
Experts in Remote Enviromental Measurements
Experts in precise Industrial Measurements
==========================================================================
```

436. Nevada APRS

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Wed, 14 May 97 16:08:33 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.863640513.ksproul@hardees.rutgers.edu>

Rendered body type: text/plain

I was just recently in Las Vegas and visited with N7ZEV, Frank Kostelac.

APRS is just starting to take off in souther Nevada, with hopes of growing
into California and southern UTAH..

Yes, I know that is a LONG way from Salt Lake City, but it is growth in that
general area that I thought you might be interested in..

Keith

Keith Sproul   Ham Radio: WU2Z
Student Housing Network Coordinator   ksproul@noc.rutgers.edu
Rutgers University Computing Services   908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/   908 821-4828 Home

437. WIN QUESTION

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 14 May 1997 16:10:18 -0400
To: aprssig@tapr.org
Message-ID: <19970514.161019.4278.0.KD4EMI@juno.com>
Rendered body type: text/plain

The new version looks great, 2 questions

#1 Is there a "radar" function like in dos yet
(I find this very usefull when tracking mobile stations)

#2 SOUNDS
I noticed that the sounds like tnc connected etc are listed in the help
file, are these available for win aprs (win 95)

#3 posit report rate
Though the posit report rate defaulted to 1 min, when I set it and exited
the program, it stays at the last setting, so I just set it once and
forget it. Cool...
Good work guys !

Mike KD4EMI@JUNO.COm

438. PS RE new version

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 14 May 1997 16:17:19 -0400
To: aprssig@tapr.org
Message-ID: <19970514.161720.3766.0.KD4EMI@juno.com>
Rendered body type: text/plain

COOL !!

I like it now that the cursor shows decimals of miles instead of whole
miles !
Although it may seem silly, it's handy if you want to find something
or when giving directions..

Mike

439. Paccomm booth @ Dayton

From: Al Zelna <ldajz@epix.net>
Date: Wed, 14 May 1997 16:47:11 +0000
To: aprssig@tapr.org
Message-ID: <3379EC8F.3CC3@epix.net>
Rendered body type: text/plain

What's the booth number and/or location? Second question... Are the
EPROMs for TNC-2's, like an MFJ 1270B, going to be available there?

Tnx,

Al Zelna, N3KAE

440. Rockoon

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 14 May 1997 15:40:46 -0500
To: aprssig@tapr.org
Message-ID: <337A234E.6423@mindspring.com>
Rendered body type: text/plain

For those interested in the Rockoon balloon and rocket launch. I just
received this message from the local Huntsville,Alabama Chan31 TV
station. So for those in the Chan31 viewing area that want to see what
happened with the Rockoon flight watch Chan31.

Subject:
        Re: Re: Rockoon
  Date:
        Wed, 14 May 1997 15:21:25 -0500
  From:
        hubscher@waaytv.com
    To:
        wa8inz@mindspring.com

By now I'm sure you've learned they are back and in good spirits. I
talked it
over with our producers and they said they would like to run this story
Thursday night at ten. So set your VCRs! The pictures from the rocket
weren't
that great and I've been given very little time, so I'm going to have do
a
brief sketching of the group and the project that won't do it justice...

But unless something major happens that needs our attention, it should
air
tomorrow night at ten.

Sincerely,

Bill Hubscher

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

441. Re: [APRSSIG:12555] WinAPRS 2.0

From: "Kent Hufford" <khufford@erols.com>
Date: Wed, 14 May 1997 16:42:28 -0400
To: <sproul@ap.org>, <aprssig@tapr.org>
Message-ID: <199705142042.QAA22961@smtp2.erols.com>
Rendered body type: text/plain

I cannot find WINAPRS 2.0 on either site. It is 445pm EDT.

Anyone know where they are?

> From: Mark Sproul <sproul@ap.org>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12555] WinAPRS 2.0
> Date: Wednesday, May 14, 1997 11:08 AM
>
> I have posted the Dayton 1997 release of WinAPRS, version 2.0 on Rutgers
> and TAPR
>
> Version 2.0 of WinAPRS has MANY MANY new features and many bug fixes.
> There have been MANY user requests built in.
>
> Keith and I will be leaving Thursday morning for Dayton so we wont be
back
> on the SIG till Tuesday.
>
> Enjoy
>
> Mark
>
> -------
>
>
> MacAPRS Version 3.0.0 - May 16, 1997 (Dayton hamfest)
> WinAPRS Version 2.0.0
>
>   All underlyng window handling code migrated from C to C++
>   Help Window - a context sensitvie help window with up
>   to date documentation.
>   TNC Selection, a simple way to select a TNC init file from a

```
>       list of pre-defined settings
>        Find in map windows
>        Find in station list windows, you can now search for a call
>       sign in any of the station lists.
>        User selectable font sizes for map labels and call signs
>        Printing working for list windows (not for map window yet)
>        Save works for most list windows
>        Weather Object input dialog (for quicker input of weather objects)
>        Improved window asthetics
>        More consistency between list window types
>        Copy text works from many (not all) of the list windows
>        Added polar projection map display
>        Support for the production release of the Mic-Encoder
>
>
_____________________________________________________________________________
> Mark Sproul                       |Amateur Radio: KB2ICI
> Software Engineer @ Assoc Press   |
> sproul@ap.org                     |Work: 609-860-7120
> North Brunswick, NJ               |Fax:  609-860-7129
> http://msproul.rutgers.edu/
>
_____________________________________________________________________________
>
>
```

442. Re: [APRSSIG:12560] Re: WinAPRS 2.0

From: Roger Sellers <rsellers@rockford.com>
Date: Wed, 14 May 1997 16:09:35 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514160933.006bff9c@rockford.com>
Rendered body type: text/plain

```
As of 4:10 PM central, I have found the same situation. The directory date
shows an update, but no 2.0 files or any files dated today are present.
Where'd they go??

73,


At 02:55 PM 5/14/97 -0500, you wrote:
>
>I can't seem to find WinAPRS version 2.0 on either Rutgers or TAPR. The
>latest version I see is the 1.45 update. If it has been posted, why
>can't I find it?
>
>David Shultz
>
>
>
>Mark Sproul wrote:
>>
>> I have posted the Dayton 1997 release of WinAPRS, version 2.0 on Rutgers
>> and TAPR
>>
>
Roger Sellers   KB9LBU
email: Home: rsellers@rockford.com
             KB9LBU@juno.com
       Work: rsellers@snds.com
```

443. GPS / TNC for standalone tracker combo

From: "Paul Knupke, Jr. (TD)" <pk@ij.net>
Date: Wed, 14 May 1997 17:19:23 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970514171923.007dc180@POP3.ij.net>
Rendered body type: text/plain

```
I am looking for suggestions on a reasonable cost GPS and TNC to put
together for a tracker (usually standalone.)

I've heard the Delorme Tripmate is a resonably cheap tracker that works
well for APRS.  I don't need the display as it will be an APRS tracker.

TNC ideas are also wanted.  I don't neccessarily need a tiny TNC (ie the
PicoPacket) just something in the $100-$120 range prefably.  Replies here
on in email are good.

Thanks in advance....
```

73 de KR4YL
Paul
Largo, Florida
pk@ij.net

444. Re: WinAPRS 2.0

From: Bruce Micales <bmicales@facstaff.wisc.edu>
Date: Wed, 14 May 1997 16:27:21 -0600
To: aprssig@tapr.org
Message-ID: <v03007800af9febcae07d@[144.92.156.141]>
Rendered body type: text/plain

I also cannot find WinAPRS 2.0 on either the TAPR or Rutgers FTP sites.
The time is 4:20 CDT. Anyone can help?

Thank you in advance

Bruce Micales

>I can't seem to find WinAPRS version 2.0 on either Rutgers or TAPR. The
>latest version I see is the 1.45 update. If it has been posted, why
>can't I find it?
>
>David Shultz

>I cannot find WINAPRS 2.0 on either site. It is 445pm EDT.
>
>Anyone know where they are?
>Kent Hufford

Bruce Micales email : bmicales@facstaff.wisc.edu
Anatomy Department ---- University of Wisconsin - Madison
PBBS: WA2DEU@WD9ESU.#SCWI.EN53IE.WI.USA.NOAM

445. WinAPRS 2.0

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Wed, 14 May 97 17:29:03 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.863645343.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

WinAPRS 2.0 was taken off of the FTP sites due to a couple errors that were
found. Better to find it now than after a BIG Dayton release.

We will have 2.0 up later tonight..

Keith and Mark

Keith Sproul   Ham Radio: WU2Z
Student Housing Network Coordinator   ksproul@noc.rutgers.edu
Rutgers University Computing Services   908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/   908 821-4828 Home

446. Radar Alert

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Wed, 14 May 97 17:37:48 EDT
To: kd4emi@juno.com, aprssig@tapr.org
Message-ID: <CMM-RU.1.5.863645868.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

> #1 Is there a "radar" function like in dos yet
   (I find this very usefull when tracking mobile stations)

If you go the APRS SETTINGS dialog, there are two radius settins..

        Warning
        Danger

        These are radiuses in MILES of how close the objects are to you

        Then select a station in one of the lists and type
        'W' for warning

'D' for danger

Then if this station (or stations) get closer than the appropriate
distance it will issue a beep

> #2 SOUNDS
> I noticed that the sounds like tnc connected etc are listed in the help
> file, are these available for win aprs (win 95)

There is an entire list of WAV files that you can have for sounds. You
can change what the sounds are to anything you want..

Just the filenames MUST be the same..

Keith

Keith Sproul Ham Radio: WU2Z
Student Housing Network Coordinator ksproul@noc.rutgers.edu
Rutgers University Computing Services 908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/ 908 821-4828 Home

447. Re: [APRSSIG:12571] WinAPRS 2.0

From: Bruce Micales <bmicales@facstaff.wisc.edu>
Date: Wed, 14 May 1997 17:25:52 -0600
To: ksproul@hardees.rutgers.edu
Cc: aprssig@tapr.org
Message-ID: <v03007800af9ffa193d33@[144.92.156.141]>
Rendered body type: text/plain

Thanks Keith for the info. I look forward to the new version!

73
Bruce Micales
WA2DEU
>WinAPRS 2.0 was taken off of the FTP sites due to a couple errors that were
>found. Better to find it now than after a BIG Dayton release.
>
>We will have 2.0 up later tonight..
>
>Keith and Mark
>
>Keith Sproul Ham Radio: WU2Z
>Student Housing Network Coordinator ksproul@noc.rutgers.edu
>Rutgers University Computing Services 908 445-3695 Work 908 445-2968 Fax
>http://www-ns.rutgers.edu/~ksproul/ 908 821-4828 Home

Bruce Micales email : bmicales@facstaff.wisc.edu
Anatomy Department ---- University of Wisconsin - Madison
PBBS: WA2DEU@WD9ESU.#SCWI.EN53IE.WI.USA.NOAM

448. WinAPRS 2.0 at Rutgers

From: Ralph Milnes <milnes@openix.com>
Date: Wed, 14 May 1997 18:28:44 -0400
To: Aprssig@tapr.org
Message-ID: <3.0.1.32.19970514182844.0068db04@openix.com>
Rendered body type: text/plain

I got it at

http://aprs.rutgers.edu

You're looking for WAPRS200.zip

Ralph, KB2WBV
Milnes@openix.com

449. Re: [APRSSIG:12559] Re: A question on JAVA APRS..

From: rwf <rwf@mindspring.com>
Date: Wed, 14 May 1997 18:38:57 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514182612.007706d4@mindspring.com>
Rendered body type: text/plain

At 01:16 PM 5/14/97 -0500, Dr Demise wrote:
we already have plenty of examples of people
>who can't handle the present temptations.

Nail hit right on head. I know of a place where there are 3-4 GATES on all the time within a single APRS LAN. One of them even an absentee licensee! With most stations out on HF using GATE,WIDE as an Unproto, it makes for a bunch of clashing traffic! I understand the high digi in the area can't digi half of what it hears, since it hears all 3 GATES direct!

Ralph

450. Re: [APRSSIG:12569] GPS / TNC for standalone tracker combo

From: rwf <rwf@mindspring.com>
Date: Wed, 14 May 1997 18:38:58 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514183103.0077005c@mindspring.com>
Rendered body type: text/plain

If you are EVER going to connect a computer up to your tracker, get the NEW Pico-Packet with 2 serial ports. They squashed the bugs and it is the only thing out there that will do both tracker and PC without rewiring the serial port every time you unpug the computer!
I think it is in your 150.00 range
Ralph N4NEQ

At 04:29 PM 5/14/97 -0500, Paul wrote:
>
>TNC ideas are also wanted. I don't neccessarily need a tiny TNC (ie the
>PicoPacket) just something in the $100-$120 range prefably. Replies here
>on in email are good.

451. WinAprs 2.0 Upload - Tell Me How To Do It

From: "Alan K. Unangst" <alanwc7r@primenet.com>
Date: Wed, 14 May 1997 15:41:53 -0700
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970514154153.006a1528@pop.primenet.com>
Rendered body type: text/plain

I have WinAPRS 2.0 (From Mark Sproul) so if someone will tell me how to upload it to the SIG, I'll be happy to do it, since he and Keith are in transit.

73, Alan

Alan K. Unangst, WC7R
Phone: (520) 445-1465
FAX: (520) 445-5755
E-mail: alanwc7r@primenet.com
Amateur Radio Packet: WC7R @ KB7FRV

452. I Will Upload to TAPR - NOT to APRSSIG !!!!

From: "Alan K. Unangst" <alanwc7r@primenet.com>
Date: Wed, 14 May 1997 15:57:50 -0700
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970514155750.00699744@pop.primenet.com>
Rendered body type: text/plain

Fear not APRSSIG police, I have NO intention of posting WinAPRS to this SIG, Rather the TAPR "Board", if you want it. All I was trying to do was help, really makes me wonder if it is worth the effort.

73, Alan

Alan K. Unangst, WC7R
Phone: (520) 445-1465
FAX: (520) 445-5755
E-mail: alanwc7r@primenet.com
Amateur Radio Packet: WC7R @ KB7FRV

453. Re: [APRSSIG:12571] WinAPRS 2.0

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 14 May 1997 19:21:36 -0400
To: ksproul@hardees.rutgers.edu
Cc: aprssig@tapr.org
Message-ID: <19970514.192136.16102.0.KD4EMI@juno.com>
Rendered body type: text/plain

Does this mean that the version I got this afternoon should be tossed and
do I need grab it again ?

On Wed, 14 May 1997 16:38:44 -0500 (CDT) Keith Sproul
<ksproul@hardees.rutgers.edu> writes:
>
>WinAPRS 2.0 was taken off of the FTP sites due to a couple errors that
>were
>found. Better to find it now than after a BIG Dayton release.
>
>We will have 2.0 up later tonight..
>
>Keith and Mark
>
>Keith Sproul   Ham Radio: WU2Z
>Student Housing Network Coordinator   ksproul@noc.rutgers.edu
>Rutgers University Computing Services   908 445-3695 Work 908
>445-2968 Fax
>http://www-ns.rutgers.edu/~ksproul/   908 821-4828 Home
>
>

454. Re: [APRSSIG:12578] I Will Upload to TAPR - NOT to APRSSIG !!!!

From: "Kent V. Hufford" <khufford@erols.com>
Date: Wed, 14 May 1997 23:43:47 +0100
To: <alanwc7r@primenet.com>, <aprssig@tapr.org>
Message-ID: <199705142343.TAA10370@smtp3.erols.com>
Rendered body type: text/plain

According to one of the brothers, THEY took it off both sites because it
has a bug in it.

They will reload a corrected version later tonite. I hope no one else
UPLOADs the bad copy..

> From: Alan K. Unangst <alanwc7r@primenet.com>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12578] I Will Upload to TAPR - NOT to APRSSIG !!!!
> Date: Thursday, May 15, 1997 12:01 AM
>
> Fear not APRSSIG police, I have NO intention of posting WinAPRS to this
> SIG, Rather the TAPR "Board", if you want it. All I was trying to do was
> help, really makes me wonder if it is worth the effort.
>
> 73, Alan
>
> Alan K. Unangst, WC7R
> Phone: (520) 445-1465
> FAX: (520) 445-5755
> E-mail: alanwc7r@primenet.com
> Amateur Radio Packet: WC7R @ KB7FRV
>

455. Re: [APRSSIG:12580] Re: I Will Upload to TAPR - NOT to APRSSIG !!!!

From: hasan schiers <schiers@ames.net>
Date: Wed, 14 May 1997 19:24:45 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970514192443.0072e8a0@pop3.ames.net>
Rendered body type: text/plain

At 06:45 PM 5/14/97 -0500, Kent V. Hufford wrote:
>According to one of the brothers, THEY took it off both sites because it
>has a bug in it.
>
>They will reload a corrected version later tonite. I hope no one else
>UPLOADs the bad copy..
>
>----------
>> From: Alan K. Unangst <alanwc7r@primenet.com>
>> To: aprssig@tapr.org
>> Subject: [APRSSIG:12578] I Will Upload to TAPR - NOT to APRSSIG !!!!
>> Date: Thursday, May 15, 1997 12:01 AM
>>
>> Fear not APRSSIG police, I have NO intention of posting WinAPRS to this
>> SIG, Rather the TAPR "Board", if you want it. All I was trying to do was
>> help, really makes me wonder if it is worth the effort.
>>

>> 73, Alan
>>
>> Alan K. Unangst, WC7R
>> Phone: (520) 445-1465
>> FAX: (520) 445-5755
>> E-mail: alanwc7r@primenet.com
>> Amateur Radio Packet: WC7R @ KB7FRV
>>
>

That is correct. DO NOT DISTRIBUTE what you downloaded today. A final version
will be posted sometime this evening. The version you got has some bugs in it
that have already been fixed. I have been on the phone with Keith off and on
much of the afternoon and I am using a version that is 3 revisions later than
that which was put up on TAPR...and there a still a couple of minor fixes to
go. PLEASE ...don't send the prior code out. It has one bug that could easily
result in an "unhandled error exception", which may bring Win95 to its knees.

The bugs that they found were NOT obvious...you had to go hunting and playing
at some depth...but if you got there, there was no way out.

I applaud the people that were willing to upload....however, it was pulled for
a VERY good reason. Be patient, it's really close

...and very much worth the few hours wait. I am quite excited about writing
another mini-review for the sig, similar to the prior two I have done. As a
brief intro, I am IMPRESSED with the new features and fixes. 73,

----
hasan schiers, N0AN

schiers@ames.net

456. Re: [APRSSIG:12550] RE: City of APRS Silence

From: wa4ikq@nevets.oau.org (Geoffrey Dick)
Date: Wed, 14 May 1997 19:42:31 -0400 (EDT)
To: aprssig@tapr.org, DBORCHER@nogmail.gi.com
Message-ID: <m0wRngl-000ChAC@nevets.oau.org>
Rendered body type: text/plain

Of all the places.. TUSCON!!! I would have never believed it.
And here we are on the a packet SIG named after that city.

Thanks for the response. I hope you are successful in getting things
launched at the "HOME" location.

                    Best regards,

                    Geoffrey Dick
                    wa4ikq@nevets.oau.org
==
> Date: Wed, 14 May 1997 09:34:24 -0500 (CDT)
> Reply-To: DBORCHER@nogmail.gi.com
> Originator: aprssig@tapr.org
> Sender: aprssig@tapr.org
> From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12550] RE: City of APRS Silence
> X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
> X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
>
>
> Geoffrey Dick wrote:
> ..Have the members of this listserver noted any other major metropolitan
> areas of the U.S. that are in this condition?
> ---------------------------------------
> Yeah...
>
> Tucson AZ (But I don't know how major you think Tucson is)
> But I'm working on getting things active.
>
> Dave K7NG
>
>

457. APRS Gone to dayton

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 14 May 1997 21:07:47 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970514210330.22134G-100000@arctic>
Rendered body type: text/plain

We leave the SIG in the hands of all of you while we head for dayton. I
wont be around to answer the many questions, so keep an eye on things
while we are gone.

Again, I ask anyone that is ftp'ing the dayton.tnc file to include a an
APRS formatted message TO javaTITLE in the followign format:

W8XXX>JAVA:javaTITLE:File current to 15 May at 2000z de W8XXX

If you use that format then that will show on the map and everyone will
know when it was posted an by whom... W8XXX in this example.

See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

458. Help!!!

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 18:20:57 PST
To: aprssig@tapr.org
Message-ID: <19970514.182057.9062.2.blcarl@juno.com>
Rendered body type: text/plain

I have gone to the aprssig web page numerous times and selected all the
lists to unsubscribe from. I have received confirmations that my name
has been taken off the list, and I have received messages that I am not
on certain lists. I do not know what list I am on, but I have been
trying to get off for over a month now. Everyday I receive 60 plus
e-mail messages that I have no time to read. I have sent numerous
e-mails to listproc@tapr.org and server@tapr.org, but all I get is canned automatic responses. Are there
any humans out there who can stop all
this unwanted e-mail from comming to me???

459. Re: [APRSSIG:12569] GPS / TNC for standalone tracker combo

From: BordingK@aol.com
Date: Wed, 14 May 1997 21:38:01 -0400 (EDT)
To: pk@ij.net
Cc: aprssig@tapr.org
Message-ID: <970514213800_-398672835@emout15.mail.aol.com>
Rendered body type: text/plain

In a message dated 97-05-14 18:41:27 EDT, you write:

<< aprssig@tapr.org >>

I have three Tripmate / KPC-3 / used RS HXT202 HTs / in polished alum bake
pans with mag mounts. All parts come out in 3-5 minutes for other use. Work
great and I've done several special events with them.

New KPC-3+ are perfect for Tripmates. I also use two MFJ Data radios ($139).
One in my car tracker and one in one of the above Stand-Alone Trackers in
place of the HXT202.

dd KF4C)H

Ken in Jax, FL

460. WinAPRS 2.0 -- where is it

From: Mark Sproul <sproul@ap.org>
Date: Wed, 14 May 1997 21:42:48 -0400
To: aprssig@tapr.org
Message-ID: <v03010d01afa01826c4e2@[165.1.27.20]>
Rendered body type: text/plain

Sorry for the missing files, all is well and it is NOW posted on RUTGERS
and tapr

Anyone who downloaded the version that was up there for about an hour,
PLEASE DETELE IT ASAP and download the new one.

ftp://aprs.rutgers.edu/pub/hamradio/APRS/WinAPRS/

ftp://ftp.tapr.org/tapr/SIG/aprssig/files/winstuff/WinAPRS/

We will be leaving very early in the morning, be back next week

Mark

Mark Sproul | Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org | Work: 609-860-7120
North Brunswick, NJ | Fax: 609-860-7129
http://msproul.rutgers.edu/

461. The new ver 2.0

From: Demos Doulou <ddoulou@gte.net>
Date: Wed, 14 May 1997 22:31:33 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970514223133.00724ab0@mail.gte.net>
Rendered body type: text/plain

Got the new 2.0. I noticed that the sound for newmail does not work, but new stations does, and the mail to me is no longer red, It is now black. Anyone else have this problem?

Demos Doulou
ddoulou@gte.net
KR4US kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

462. May 17th Balloon Launch

From: davidc@tbcnet.com (David Chesser)
Date: Wed, 14 May 1997 22:02:51 +0100
To: aprssig@tapr.org
Message-ID: <199705150302.WAA11170@tbc1.tbcnet.com>
Rendered body type: text/plain

NSS (Near Space Sciences) will be launching a ATV and APRS balloon from Grand Rapids, MI. Launch time is 0930 EST on Saturday the 17th of may. ATV will be on 439.25 and GPS data will be on 145.79 MHz 1200 BBS packet (APRS) After launch I'll be traveling to Dayton in time for the get together in the evening. Any
Stations in Dayton should be able to receive both the ATV and GPS data.
David KA9NHL

463. help with digi

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 14 May 1997 23:05:14 -0400
To: aprs-fl@tapr.org
Cc: aprssig@tapr.org
Message-ID: <19970514.230514.4278.0.KD4EMI@juno.com>
Rendered body type: text/plain

There seems to be a problem with kd4emi-3 digi.
It is not getting digi'd though I can decode it's packets as well as can wa4whd-3

I will try to stop by thursday b4 work and see if if the pwr is switched to low.
I did lower the deviation, which was way too high.
Should the pwr be on low, then there is the answer, if not, then I will swap out the radio with my home radio and see what that does.

Kinda of a problem with the IC281 is that it's all or nothing.
It operates at 5 10 or 50 watts. I would like to have it at 35 watts.
50 is too much, 10 too little.

Anyhow, pls listen in and see if you detect any problem,
Of note, someone down here is WAY OVERDEVIATING... It's so loud it's distorted !
Hope some of you more experienced could listen in and offer some help.

Thanks Mike KD4EMI@JUNO.COM

464. Re: [APRSSIG:12546] Re: Definitions

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 14 May 1997 21:28:50 -0600 (MDT)
To: Mark Fellhauer <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970514210456.5697H-100000@nova.dimensional.com>
Rendered body type: text/plain

On Wed, 14 May 1997, Mark Fellhauer wrote:

> At 03:58 PM 5/12/97 -0500, Jack Anderson wrote:
>
> >It's the sound a repeater makes when one briefly keys their radio on the
> >input frequency, without talking.
> >
> >"kerCHUNK"
> >
>
> My club, the ThunderBird ARC, has a GE repeater on Phoenix General
> Hospital, that has real mechanical relays.
> It indeed makes a "kerchunk" in the cabinet when the COR kicks on...

It's one thing for an automated source such as a paging system located on nearby frequencies to bring up and kerchunk repeaters as some of this comes in the form of intermod (The Denver Radio Club has this problem with one of our repeaters, which is located atop the USWest Communications Building in Downtown Denver).

I've suggested that the repeater be PL'ed, but until the tech guys can fix the PL tone board on the machine (which was just recently put on the air), this machine is going to be plagued with this type of kerchunking (making it sound very much like the Colorado Connection's repeaters, though they are gradually PLing their repeaters to 123.0 Hz. as each machine is upgraded).

> >Really applies to repeaters where you can hear a short squelch tail burst
> >after unkeying, i.e., the "chunk".
>
> We have a few kerchunkers that will sit on a repeater and kerchunk it over
> and over and over...

And then there are those who'll just send tones to the repeater to get it to do things (like give the time). We just had one of these idiots do this on the 147.150+ ARA (Aurora Repeater Association) N7PVN repeater about 10 minutes ago until he was run off. He also never IDed either... :(

He left after both myself and another station (a KB0U??) had indicated that he had better ID him/herself or face being cited for interference.

> I think they like the ARA courtesy tones... the Shaw Butte 2 meter repeater
> gives three tones, two high pitch and one low pitch. The first is a
> courtesy beep, the second denotes link active, the third denotes autopatch
> functioning.

The 147.150+ repeater mentioned above sends a single tone as its courtesy beep while in normal mode, while the 220 and 440 Mhz. repeaters at the same site (Guy Hill) send two tones. When the three are linked for the club net, they all send either two (for those using the 147.150+ repeater) or three (for the 220 and 440 Mhz. repeater users) tones, depending on which machine the user is running the net or checking in on.

> > Still, many do it simply as a quick test to see if
> >they can "hit" the "machine".
> >
>
> Guilty, as charged. I find myself doing this...but I always try to ID if I
> can hit the repeater.

Same here. I always try to do the same when I know there's a chance, but I don't always do it (just like most other hams). I know I should **ALWAYS** ID before sending tones to the repeater (which I usually do, especially if I don't know if the repeater is being used or not), however, whenever I just generally test the repeater ITSELF, then I'm just as guilty as everyone else is if I break the rules (and will happily admit it too!!).

> 73,

Patrick, KB0OXD
patcook@dimensional.com

Denver, Colorado

465. listproc@tapr.org: Error Condition Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:33:24 PST
To: aprssig@tapr.org
Message-ID: <19970514.203324.9486.4.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: listproc@tapr.org
To: blcarl@juno.com
Subject: Error Condition Re: Invalid request
Date: Wed, 14 May 1997 22:24:36 -0500 (CDT)
Message-ID: <199705150324.WAA16955@tapr.org>

>UNSUBSCRIBE

UNSUBSCRIBE: Missing list name

Syntax: UNSUBSCRIBE <list> [...]

Report any problems to 'server@tapr.org'.
For a list of the available requests send a message to listproc@tapr.org
with a body consisting of nothing but the word HELP

PS: Any subsequent requests that you might have submitted have been
ignored.

--------- End forwarded message ----------

466. listproc@tapr.org: Error Condition Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:32:33 PST
To: aprssig@tapr.org
Message-ID: <19970514.203324.9486.3.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: listproc@tapr.org
To: blcarl@juno.com
Subject: Error Condition Re: Invalid request
Date: Wed, 14 May 1997 22:22:01 -0500 (CDT)
Message-ID: <199705150322.WAA16786@tapr.org>

>SIGNOFF APRSSIG BLCARL@JUNO.COM

Invalid UNSUBSCRIBE option BLCARL@JUNO.COM

Syntax: unsubscribe <list> (or signoff <list>)

Report any problems to 'tapr-mail@tapr.org'.
For a list of the available requests send a message to listproc@tapr.org
with a body consisting of nothing but the word HELP

PS: Any subsequent requests that you might have submitted have been
ignored.

--------- End forwarded message ----------

467. listproc@tapr.org: Error Condition Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:35:53 PST
To: aprssig@tapr.org
Message-ID: <19970514.203553.9486.6.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: listproc@tapr.org
To: blcarl@juno.com
Subject: Error Condition Re: Invalid request
Date: Wed, 14 May 1997 22:29:12 -0500 (CDT)
Message-ID: <199705150329.WAA17236@tapr.org>

>UNSUBSCRIBE

UNSUBSCRIBE: Missing list name

Syntax: UNSUBSCRIBE <list> [...]

Report any problems to 'server@tapr.org'.
For a list of the available requests send a message to listproc@tapr.org
with a body consisting of nothing but the word HELP

PS: Any subsequent requests that you might have submitted have been
ignored.

--------- End forwarded message ----------

468. Re: [APRSSIG:12551] WinAPRS Dayton Releases

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 14 May 1997 21:53:53 -0600 (MDT)
To: Truman Boerkoel <truxenia@erinet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970514215027.7036A-100000@nova.dimensional.com>
Rendered body type: text/plain

On Wed, 14 May 1997, Truman Boerkoel wrote:

> Is there going to be a Dayton release or update for the WinAPRS
> software?

I'd like to know the answer to this question too especially since I'm
upgrading my system (not exclusively for APRS accomondations, but...)
and would LOVE to know which version will be the LATEST to download once
I *do* get my new system up and running. :-)

73's for now my friends!! :-)

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

469. Re: [APRSSIG:12555] WinAPRS 2.0

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 14 May 1997 21:56:58 -0600 (MDT)
To: Mark Sproul <sproul@ap.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970514215449.7036B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Wed, 14 May 1997, Mark Sproul wrote:

> I have posted the Dayton 1997 release of WinAPRS, version 2.0 on Rutgers
> and TAPR

There's an APRS mailing list on the Rutgers University site???? Didn't
know about this one....

73's for now my friends!! :-)

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

470. Glenn Little <glittle@awod.com>: Re: [APRSSIG:12584] Help!!!

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:57:20 PST
To: aprssig@tapr.org
Message-ID: <19970514.205856.9486.10.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: Glenn Little <glittle@awod.com>
To: blcarl@juno.com
Subject: Re: [APRSSIG:12584] Help!!!
Date: Wed, 14 May 1997 22:25:04 -0400
Message-ID: <199705150222.WAA04183@sumter.awod.com>

At 08:22 PM 5/14/97 -0500, you wrote:
>I have gone to the aprssig web page numerous times and selected all the
>lists to unsubscribe from. I have received confirmations that my name
>has been taken off the list, and I have received messages that I am not
>on certain lists. I do not know what list I am on, but I have been
>trying to get off for over a month now. Everyday I receive 60 plus
>e-mail messages that I have no time to read. I have sent numerous
>e-mails to listproc@tapr.org and server@tapr.org, but all I get is

canned
automatic responses. Are there any humans out there who can stop all
>this unwanted e-mail from comming to me???
>
>
>

Follow instructions and send to listserv@tapr.org
Glenn Little
WB4UIV

WB4UIV@amsat.org
glittle@awod.com

--------- End forwarded message ----------

471. Patrick Cook <patcook@dimensional.com>: Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:57:47 PST
To: aprssig@tapr.org
Message-ID: <19970514.205856.9486.11.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: Patrick Cook <patcook@dimensional.com>
To: Brian L Carlson <blcarl@juno.com>
Subject: Re: Invalid request
Date: Wed, 14 May 1997 20:49:26 -0600 (MDT)
Message-ID:
<Pine.SUN.3.96.970514204529.5697F-100000@nova.dimensional.com>

On Wed, 14 May 1997, Brian L Carlson wrote:

> This APRSIG is like the Hotel California. You can check out, but you
can
> never leave!
>
> On Tue, 13 May 1997 21:18:33 -0500 (CDT) listproc@tapr.org writes:
> >>UNSUBSCRIBE
> >
> >UNSUBSCRIBE: Missing list name
> >
> >Syntax: UNSUBSCRIBE <list> [...]
> >
> >Report any problems to 'server@tapr.org'.
> >For a list of the available requests send a message to
> >listproc@tapr.org
> >with a body consisting of nothing but the word HELP
> >
> >PS: Any subsequent requests that you might have submitted have been
> >ignored.

Have you tried sending this to the listproc:

signoff aprssig blcarl@juno.com

If you have, then a message TO THE LISTOWNER is in order. Please don't
sent such messages TO THE WHOLE LIST!!!!

73's for now my friend!!

Patrick Cook, KB0OXD
patcook@dimensional.com
Denver, Colorado

--------- End forwarded message ----------

472. Arte Booten <n2zrc@webspan.net>: Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 20:58:25 PST
To: aprssig@tapr.org
Message-ID: <19970514.205856.9486.12.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: Arte Booten <n2zrc@webspan.net>
To: Brian L Carlson <blcarl@juno.com>

Subject: Re: Invalid request
Date: Wed, 14 May 1997 16:58:06 -0400
Message-ID: <337A275E.4365@webspan.net>
References: <199705140218.VAA28612@tapr.org>
<19970514.054859.9502.0.blcarl@juno.com>

Brian,

You lamented that:

>This APRSIG is like the Hotel California. You can check out, but you
>can never leave!

     It's simple. Send a message that looks like this:

unsubscribe aprssig brian l carlson

to listproc@tapr.org. But you have to do so from the address you orig-
inally subscribed from. Easy as pie. 73
--
                 __   Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___ Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
================================   Local APRS Elmer
   ___'---..._____...---'___   (Automatic Position Reporting System)
 (___)   _!__!_   (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
     ````.__'--'__.''''`Cruise Missile Coordinates 4052.71N/07354.06W
          ````
... But those coordinates are deep within the planetoid  ...


--------- End forwarded message ----------

## 473. RE: City of APRS Silence

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 14 May 1997 21:03:01 -0700
To: wa4ikq@nevets.oau.org, aprssig@tapr.org
Message-ID: <3.0.32.19970514210252.006a8e88@mailhost.primenet.com>
Rendered body type: text/plain

At 07:36 PM 5/14/97 -0500, Geoffrey Dick wrote:

>Of all the places..  TUSCON!!!  I would have never believed it.
>And here we are on the a packet SIG named after that city.
>
>Thanks for the response.  I hope you are successful in getting things
>launched at the "HOME" location.


Yup, Tucson is dead allright.  A couple years back I was on extended
assignemnt in the BioSphere and heard nothing on APRS.  I did use the ZIA
Link (when the Tucson repeater was working) to talk to friends in Phoenix,
though.

My former job took me to Tucson at least one weekend a month and the whole
town is dead...especially after sundown.  There is a good Pizza and Beer
place near U of A though.  And I enjoy a good hike/backpacking trip on Mt.
Lemmon, which I consider Tucson's saving grace.

73,

Mark
KC7BXS

## 474. Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 21:05:18 PST
To: sdimse@bridge.net
Cc: aprssig@tapr.org
Message-ID: <19970514.210519.9486.14.blcarl@juno.com>
Rendered body type: text/plain

It's looking for some list name after UNSUBSCRIBE, but I have no idea
what list I'm on. I don't even know how I got on the list.

On Wed, 14 May 97 23:53:55 -0400 Steve Dimse <sdimse@bridge.net> writes:
>On 5/14/97 11:49 PM Brian L Carlson (blcarl@juno.com) wrote:
>
>>From: listproc@tapr.org

>>To: blcarl@juno.com
>>Subject: Error Condition Re: Invalid request
>>Date: Wed, 14 May 1997 22:22:01 -0500 (CDT)
>>Message-ID: <199705150322.WAA16786@tapr.org>
>>
>>>SIGNOFF APRSSIG BLCARL@JUNO.COM
>>
>>Invalid UNSUBSCRIBE option BLCARL@JUNO.COM
>>
>It doesn't want you to put your email address there....
>
>Steve K4HG
>

## 475. Re: Help!!!

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 14 May 1997 21:07:52 -0700
To: blcarl@juno.com, aprssig@tapr.org
Message-ID: <3.0.32.19970514210749.006a2574@mailhost.primenet.com>
Rendered body type: text/plain

At 08:22 PM 5/14/97 -0500, Brian L Carlson wrote:
>I have gone to the aprssig web page numerous times and selected all the
>lists to unsubscribe from. I have received confirmations that my name
>has been taken off the list, and I have received messages that I am not
>on certain lists. I do not know what list I am on, but I have been
>trying to get off for over a month now. Everyday I receive 60 plus
>e-mail messages that I have no time to read. I have sent numerous
>e-mails to listproc@tapr.org and server@tapr.org, but all I get is canned
automatic responses. Are there any humans out there who can stop all
>this unwanted e-mail from comming to me???
>
>


Welcome to the Hotel APRS!

You can check out anytime you like...but you can never leave.

## 476. aprssig@tapr.org: Error Condition Re: UNSUBSCRIBE

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 21:07:23 PST
To: aprssig@tapr.org
Message-ID: <19970514.210724.9486.15.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: aprssig@tapr.org
To: blcarl@juno.com
Subject: Error Condition Re: UNSUBSCRIBE
Date: Wed, 14 May 1997 23:00:56 -0500 (CDT)
Message-ID: <19970514.204947.9486.7.blcarl@juno.com>


We are sorry, but this system sensed the following request which may have
been
inadvertedly sent to this list:

SIGNOFF APPRSSIG

If your posting was intentional, please accept our apologies and resend
your
mail message, making sure you do not include anything that may look like
a
request in the first line of the body of the actual message. If this was
indeed a request please resend it to listproc@tapr.org
Your entire message
is copied below.

---------------------------------------------------------------------------
signoff apprssig blcarl@juno.com
unsubscribe blcarl@juno.com
STOP ALL LISTS TO blcarl@juno.com
sent to:
server@tapr.org
listproc@tapr.org
tapr-mail@tapr.org
listserv@tapr.org
aprssig@tapr.org

--------- End forwarded message ----------

## 477. Joe Tomasone <jtomason@usa.net>: Re: [APRSSIG:12593] listproc@tapr.org: Error Condition Re: Invalid request

From: blcarl@juno.com (Brian L Carlson)
Date: Wed, 14 May 1997 21:19:03 PST
To: aprssig@tapr.org
Message-ID: <19970514.212056.9486.19.blcarl@juno.com>
Rendered body type: text/plain

--------- Begin forwarded message ----------
From: Joe Tomasone <jtomason@usa.net>
To: blcarl@juno.com
Subject: Re: [APRSSIG:12593] listproc@tapr.org: Error Condition Re:
Invalid request
Date: Thu, 15 May 1997 00:13:50 -0400
Message-ID: <2.2.32.19970515041350.0096eb30@pophost.li.net>

At 10:59 PM 5/14/97 -0500, you wrote:

>>UNSUBSCRIBE
>
>UNSUBSCRIBE: Missing list name
>
>Syntax: UNSUBSCRIBE <list> [...]
>


So why not try UNSUBSCRIBE APRSSIG

instead of sending 80 copies of the error message to all of us??

...As if we didn't have enough to delete..



--

** Joe Tomasone - Amateur Radio Callsign AB2M ************
*                                                         *
*  DIGITAL RADIO OFFICER, Suffolk County, NY ARES/RACES   *
*                                                         *
*  INTERNET: jtomason@li.net or ab2m@callsign.net         *
*  HOMEPAGE: http://www.li.net/~jtomason                  *
*                                                         *
*                                                         *
*       "God is real, unless declared integer"            *
*                                                         *
***********************************************************



--------- End forwarded message ----------

## 478. Special Event Station

From: WB9WOZ@aol.com
Date: Thu, 15 May 1997 00:29:09 -0400 (EDT)
To: aprssig@tapr.org
Cc: bbichicago@compuserve.com, zabel@aps.anl.gov, fire133@axnet.com,
        n9uhx@juno.com, n9flx@juno.com, kb8vee@k8daa.ampr.org,
        wwontroba@smtpgate.ssmc.noaa.gov
Message-ID: <970515002908_-598156243@emout11.mail.aol.com>
Rendered body type: text/plain

Announcement -Special Event Station

The DuPage Amateur Radio Club will operate station W9DUP,
from the First Division War Museum at Cantigny, in
Wheaton, IL. to celebrate Armed Forces Day, 1500 - 1900z,
May 17, 1997. On the following frequencies and modes (+/- QRL);

SSB: 7.252 MHz, 14.292 MHz, 28.402 Mhz
CW : 7.042 Mhz, also on .042 on 20M,15M,and 10M as roamer.
APRS: 145.790 MHz  local (or via K9GD's GATE)

For certificate, send QSL and an SASE to;
W9DUP -DuPage Amateur Radio Club
P.O. Box 71
Clarendon Hills, IL.  60514

## 479. Re: [APRSSIG:12593] listproc@tapr.org: Error Condition Re: Invalid request

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 14 May 1997 22:35:33 -0600 (MDT)
To: Brian L Carlson <blcarl@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970514222900.7036G-100000@nova.dimensional.com>
Rendered body type: text/plain

On Wed, 14 May 1997, Brian L Carlson wrote:

> --------- Begin forwarded message ----------
> From: listproc@tapr.org
> To: blcarl@juno.com
> Subject: Error Condition Re: Invalid request
> Date: Wed, 14 May 1997 22:29:12 -0500 (CDT)
> Message-ID: <199705150329.WAA17236@tapr.org>
>
> >UNSUBSCRIBE
>
> UNSUBSCRIBE: Missing list name
>
> Syntax: UNSUBSCRIBE <list> [...]
>
> Report any problems to 'server@tapr.org'.
> For a list of the available requests send a message to listproc@tapr.org
> with a body consisting of nothing but the word HELP
>
> PS: Any subsequent requests that you might have submitted have been
> ignored.

QUIT BOMBING THE LIST WITH YOUR !@#%^^&# JUNK!!!  THIS IS THE *SECOND*
SUCH PIECE I'VE SEEN TONIGHT!!!  IF YOU SEND ANOTHER, I'LL SEND IT TO
JUNO's POSTMASTER!!!!!

NOW DO YOU GET THE MESSAGE????

I wasn't going to send this to the whole list, but it appears as though
you apparently either don't know how to subscribe or unsubscribe yourself
from mailing lists or have nothing better to do than to bomb the list with
your junk!!!

In either case, since my private email is apparently as ineffective as the
message from the listproc itself, maybe you'll get this one.....

Sorry for going on such a rampage gang, but.....

73's for now my friends!!!  :-)

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

## 480. Re: [APRSSIG:12585] Re: GPS / TNC for standalone tracker combo

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 15 May 1997 01:00:58 -0400 (EDT)
To: BordingK@aol.com
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970515005918.1234B-100000@arctic>
Rendered body type: text/plain

YOu should paint them white.  The heat build up is 30 times worse for
shiny aluminum than for white paint.  I didint beliee it either, but its
common knowldege apparently in space engineering that polished aluminum
cannot radiate away its heat.  If left alone in the sunb, it can approach
700 degrees...

 On Wed, 14 May 1997 BordingK@aol.com wrote:

> In a message dated 97-05-14 18:41:27 EDT, you write:
>
> << aprssig@tapr.org >>
>
>

> I have three Tripmate / KPC-3 / used RS HXT202 HTs / in polished alum bake
> pans with mag mounts.  All parts come out in 3-5 minutes for other use.  Work
> great and I've done several special events with them.
>
> New KPC-3+ are perfect for Tripmates.  I also use two MFJ Data radios ($139).
>  One in my car tracker and one in one of the above Stand-Alone Trackers in
> place of the HXT202.
>
> dd KF4C)H
>
> Ken in Jax, FL
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 481. Re: [APRSSIG:12605] Re: listproc@tapr.org: Error Condition Re: Invalid request

From: Steve Dimse <sdimse@bridge.net>
Date: Thu, 15 May 97 01:07:15 -0400
To: <patcook@dimensional.com>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705150507.BAA10064@bridge.net>
Rendered body type: text/plain

On 5/15/97 12:59 AM Patrick Cook (patcook@dimensional.com) wrote:

>QUIT BOMBING THE LIST WITH YOUR !@#%^^&# JUNK!!!  THIS IS THE *SECOND*
>SUCH PIECE I'VE SEEN TONIGHT!!!  IF YOU SEND ANOTHER, I'LL SEND IT TO
>JUNO's POSTMASTER!!!!!
>
>NOW DO YOU GET THE MESSAGE????
>
You're lucky, I tried to help the guy via email, and now not only do I
get the same junk he is sending to the list, but he sends me an extra
copy direct. He seems to be incapable of following directions.

Steve K4HG

## 482. WinAPRS 2.0 & MacAPRS 3.0

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Thu, 15 May 97 1:43:26 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.863675006.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

The Dayton releases of both WinAPRS 2.0 and MacAPRS 3.0 or now up on
APRS.RUTGERS.EDU

WinAPRS is also on TAPR

Keith

Keith Sproul                              Ham Radio: WU2Z
Student Housing Network Coordinator       ksproul@noc.rutgers.edu
Rutgers University Computing Services     908 445-3695 Work  908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/       908 821-4828 Home

## 483. TIGER Maps

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Thu, 15 May 97 1:55:50 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.863675750.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

I have been working on making TIGER (census) based maps for awhile.
Several people have asked for some specific maps of this type for special
projects.  I have created maps of WACO, TX and ELKHART, IND and put them up on
the RUTGERS FTP site.

These files are in:

        /hamradio/APRS/TIGER Maps/

I will be putting more maps of this type up after Dayton, but there is still
some more work to be done on these, especially in the area of labels

For those that I had told I would do these maps, sorry for the delays, for
others, go take a look at them..

Keith

Keith Sproul                              Ham Radio: WU2Z
Student Housing Network Coordinator      ksproul@noc.rutgers.edu
Rutgers University Computing Services    908 445-3695 Work  908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/      908 821-4828 Home

## 484. Re: [APRSSIG:12608] WinAPRS 2.0 & MacAPRS 3.0

From: Steve Dimse <sdimse@bridge.net>
Date: Thu, 15 May 97 02:28:28 -0400
To: <ksproul@hardees.rutgers.edu>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705150628.CAA16018@bridge.net>
Rendered body type: text/plain

On 5/15/97 1:47 AM Keith Sproul (ksproul@hardees.rutgers.edu) wrote:

>The Dayton releases of both WinAPRS 2.0 and MacAPRS 3.0 or now up on
>APRS.RUTGERS.EDU
>
Thank you, thank you, thank you, thank you, thank you, thank you!

Now for the gripes...

What happened to the old packet stats page? I loved that one...great to
compare a whole years worth of data at a glance...please tell me it will
be back...

The time of plots for local weather stations are all screwed up....I'll
try to characterize it for you.

Steve

## 485. Re: [APRSSIG:12597] Patrick Cook <patcook@dimensional.com>: Re: Invalid request

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 15 May 1997 00:44:44 -0600 (MDT)
To: Brian L Carlson <blcarl@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970515002837.9030A-100000@nova.dimensional.com>
Rendered body type: text/plain

HAVE YOU GONE MAD????  DO YOU NOT KNOW THE RULES OF NETIQUETTE???  I SENT
THIS TO YOU **PRIVATELY**  THIS MEANS IT DOES **NOT** GET SENT OUT OVER
THE LIST!!!

I DO NOT RECALL GIVING YOU PERMISSION TO RESEND THE MESSAGE BELOW TO THE
WHOLE $@!@$%^^&^ LIST!!!!

I'M BEGINNING TO THINK YOU ARE NOTHING MORE THAN A EMAIL LIST BOMBER WHO
HAS NOTHING BETTER TO DO THAN TO BOMB AN EMAIL LIST, BRIAN!!!  YOU HAVE
RECEIVED **SEVERAL** COPIES OF HOW TO CONTACT SOMEONE AT TAPR TO HAVE YOU
REMOVED FROM THE LIST!!!

WHAT DID YOU DO WITH THEM???

PROBABLY DELETED THEM (Just like you're probably going to do with THIS
message, I bet)!!!

QUIT FLOODING AND BOMBING THE LIST WITH YOUR JUNK, BRIAN!!!!  YOU'RE
PISSING ME (and probably half the list) OFF!!!!

IF YOU *STILL* CANNOT GET YOURSELF REMOVED, THEN EMAIL JUNO TO HAVE YOUR
USER ID CHANGED!!!!  IT'LL PROBABLY COST YOU A NOMINAL FEE, BUT IT'LL MAKE
**EVERYONE** HAPPY!!!   A WIN-WIN SITUATION!!!!

THE ONLY REASON I'M USING ALL CAPS AND SHOUTING IS BECAUSE YOU ARE PISSING
ME OFF, BRIAN!!!  YOU APPARENTLY HAVE ABSOLUTELY **NO** IDEA AS TO HOW TO
USE THE INTERNET, SO LEMME PUT IT IN THE BEST LANGUAGE I POSSIBLY CAN:

EITHER **LEARN** HOW TO USE THE INTERNET OR GET THE @#$#$%%^&$ OFF!!!
IT'S THAT SIMPLE!!!

Once again, my humble apologies to the rest of the group for shouting, but
it appears as though that's the only language Brian seems to understand!! :(

73's for now my friends!!

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

On Wed, 14 May 1997, Brian L Carlson wrote:

> --------- Begin forwarded message ----------
> From: Patrick Cook <patcook@dimensional.com>
> To: Brian L Carlson <blcarl@juno.com>
> Subject: Re: Invalid request


> Have you tried sending this to the listproc:
>
> signoff aprssig blcarl@juno.com
>
> If you have, then a message TO THE LISTOWNER is in order.  Please don't
> sent such messages TO THE WHOLE LIST!!!!
>
> 73's for now my friend!!
>
> Patrick Cook, KB0OXD
> patcook@dimensional.com
> Denver, Colorado
>
>
> --------- End forwarded message ----------
>
>

## 486. GPS45XL to KPC3 Plus

From: Jay <jaykq4ms@ipass.net>
Date: Thu, 15 May 1997 04:43:24 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970515044324.0068df60@mail.ipass.net>
Rendered body type: text/plain

Hi all,
 I have a GPS45XL interfaced to a new KPC3 Plus. I've set up the TNC as per the KPC3.TXT in the README files. Not working. I also set it up as per Ron Kramer, VE3MX, response to Mike, KD4EMI question " Re: (APRSSIG:2405 help with KPC3 V 6.0) dated 21 July 1995. Not working. ( found that message in the archives). ALSO tried to set it up per Robert Winingham's message (APRSSIG:10326) dated 3/3/97. Not working. By not working, I mean I se NO GPS data transmitted. None at all. I do see my text that I put in to the LT buffers. Am I missing something here? The GPS talks to my laptop and other computer (486DX2-80) with comm programs. Seems like the TNC is NOT seeing the GPS data. Could it be a cable problem?
 As you can see, it's 4:41AM. Very well could be that I've missed something here. If this is only a hobby, WHY am I up so LATE (early)?!?!?!?

Thanks in advance.

Jay Netterville
KQ4MS
Raleigh, NC
35.49.42N/078.35.37W

## 487. KPC3PLUS/Tripmate/other stuff

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 15 May 1997 04:30:59 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <337AD7D1.6D55BA15@probe.net>
Rendered body type: text/plain

Hello all once again.

With help from many sig members, I have my KPC3 Plus/Tripmate/HTX202 tracker working.  I have found that I did not need to do any internal modifications to the KPC3 Plus to raise DTR...

This is what I did:

Tripmate      KPC3 Plus
Pin 2&3   --> Pin 2
Pin 4     --> Pin 4

Pin 5     --> Pin 7

This was verified as sending data to the TNC by using an RS232
mini-tester from Radio Shack that shows the status of the TXD and RXD
lines with LEDs.

Note that you can either tie Tripmate's pin 2&3 together in the DB9
connector hood, or use one strand from a small-gauge stranded wire
looped between the holes on pin 2&3 of Tripmate's 9 pin female plug.
I'm currently just using the whole contraption on batteries for
portability as I will sometimes use it on my bicycle.  This would work
well for those MS-150 bike rides in the summer...

Using APRSa4 to monitor the transmitted packets, I have noticed that the
program decodes the $GPRMC sentence to show the speed in MPH instead of
knots as output by the Tripmate.  By the way, Brent, I'm enjoying APRSa4
0.4 :-) - very smooth operation, no bugs in casual everyday use.

I sure would be interested in hearing about someone getting a MIM to
work packed inside the Tripmate battery case as someone suggested last
week.

Hope everyone (else) enjoys Dayton... wish I were there.

Jim N0RMO
Omaha, NE
(145.79 in NE/IA/MO, about 20 APRS'rs between KC/Omaha/Des Moines, at
least on my map)

## 488. Re: [APRSSIG:12612] GPS45XL to KPC3 Plus

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 15 May 1997 04:41:52 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <337ADA5F.EE2CA7D@probe.net>
Rendered body type: text/plain

Jay wrote:

> Hi all, I have a GPS45XL interfaced to a new KPC3 Plus. I've set up
> the TNC as per the KPC3.TXT in the README files. Not working. I also
> set it up as per Ron

 Just a thought, but did you remember to set INTFACE GPS then type RESET
to put into GPS mode?  If you didn't do that, you'll still be in
TERMINAL mode, and the TNC will *still* send out whatever text is in
your LT buffers at the BLT rate, such as my status text in LT 3 below...

Here is a dump of data from my KPC3 Plus:

KANTRONICS KPC3P VERSION 7.0
(C) COPYRIGHT 1997 BY KANTRONICS INC.  ALL RIGHTS RESERVED.
DUPLICATION PROHIBITED WITHOUT PERMISSION OF KANTRONICS.
cmd:disp g
BLT
1 EVERY 00:01:05
2 EVERY 00:05:00
3 EVERY 00:05:00
4 EVERY 00:00:00
GPSHEAD
1 $GPRMC
2 $GPGGA
3
4
GPSINIT
LT
1 $GPRMC,091406,V,4114.2334,N,09557.4131,W,0.000,0.0,150597,5.0,E*7C

2 $GPGGA,,,,,,0,00,,,,,,,*66

3 Jim N0RMO/KPC3+/Tripmate/HTX-202/Standalone Tracker/jimgill@probe.net
4
LTP
1 APRS VIA WIDE
2 APRS VIA WIDE
3 APRS VIA WIDE
4 GPS
LTRACK   50 LT1 LT2

Hope this gives you something.

Jim

## 489. re: [APRSSIG:12602] aprssig@tapr.org: Error Condition Re: UNSUBSCRIBE

From: Earl Needham <needhame@3lefties.com>
Date: Thu, 15 May 1997 07:00:16 -0700
To: aprssig@tapr.org, blcarl@juno.com
Message-ID: <BMSMTP8637047622needhame@server.3lefties.com>
Rendered body type: text/plain

Try putting the UNSUBSCRIBE line first.
BUT AT LEAST STOP SPAMMING THE LIST WITH THIS STUFF.

Earl

> From: blcarl@juno.com (Brian L Carlson), on 5/15/97 6:37 AM:
>
---
> signoff apprssig blcarl@juno.com
> unsubscribe blcarl@juno.com
> STOP ALL LISTS TO blcarl@juno.com
> sent to:
> server@tapr.org
> listproc@tapr.org
> tapr-mail@tapr.org
> listserv@tapr.org
> aprssig@tapr.org

## 490. Re: Nevada APRS

From: Mark Rennebaum <markr@itexchsrv1.phx.mcd.mot.com>
Date: Thu, 15 May 1997 08:08:41 -0700
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <c=US%a=_mot%p=mot%l=ITEXCHSRV1-970515150841Z-32354@itexchsrv1.phx.mcd.mot.com>
Rendered body type: text/plain

Keith Sproul <ksproul@hardees.rutgers.edu> on Wed, 14 May 97 16:08:33
EDT wrote:

>I was just recently in Las Vegas and visited with N7ZEV, Frank
Kostelac.
>
>APRS is just starting to take off in souther Nevada, with hopes of
growing
>into California and southern UTAH..
>
>Yes, I know that is a LONG way from Salt Lake City, but it is growth
in that
>general area that I thought you might be interested in..
>
>Keith

There will be 1 more if only at least temporarily...

I leave Friday night for Vegas and for a few days there will
be a KC7KMP-14 floating around the casinos, depending on
how hard the above-ground parking garages are on my
antennas!

Thanks for the heads up.

Yea, Tucson is curiously dead. So is most of Southern
AZ (as Jim WB5ACL can attest - he lives there). Parents live
in Sierra Vista and APRS is almost nonexistent but I understand
that there is at least 1 other guy there that runs it besides Jim.

Mt. Lemmon is really nice; it's an excellent repeater location
(147.14) that I can use a 5w HT and talk to someone in
Sierra Vista with another 5w HT, maybe what? 180 miles?

Maybe Tucson is overdue for an APRS WIDE Digi on that
mountain...hmmmm...

Take Care,

- Mark  KC7KMP

## 491. 45XL & KPC3+

From: TomR736570@aol.com
Date: Thu, 15 May 1997 11:33:07 -0400 (EDT)

To: aprssig@tapr.org
Message-ID: <970515113306_675703837@emout11.mail.aol.com>
Rendered body type: text/plain

Roger, Jay, 45XL-KPC3+ owners,
I saw your notes on the APRS SIG. I have a Garmin 45XL and KPC-3, version 6, in my car. I've had limited experience with the set up, but it seems to be working OK. Being new at this it took me several attempts to debug and properly set up everything.
Maybe this will save you some time and headache.
Set the 45xl to NMEA output per the instruction book. On the 45xl select Menu, Interface, None/NMEA, Format 0183, version 1.5 or 2.0. 1.5 and 2.0 have different sets of output sentences, I have not played with these choices, I believe I'm using 2.0.
Program the KPC-3 for GPS use. Use a basic communications software (I used Claris Works 4.0, Communications) set to serial tool, 1200 baud. Open session, then turn the KPC-3 on. Enter * (per pg G6, top, in Getting Started, Kantronics told me the 2 second glitch was fixed for most of the version 6 production). Enter your call sign, return. Three lines of info should appear on the screen. At cmd:, enter IN TERM, return (NEW USER won't do for what you need). Then enter the settings, GPS sentences and times, etc that you want, per pages B7 & B8 in the KPC-3 Reference Manual. Also enter cmd: AB 4800, return (the 45xl puts out at 4800 baud). Ignore the GPS UNIT INITIALIZATION section, people at Garmin tell me the 45xl will not receive any input other than DGPS data. Now I recommend cmd: DISP, return and print to print out a paper copy of your settings for future reference, debugging and explaining problems to others. Last programing step is cmd: IN GPS, return. This converts the KPC-3 to GPS mode.
Next time you need to program the KPC-3 you need to remove the IN GPS by doing Ctrl C three times, this sets it to TERMINAL mode (per pg B9 in the Reference Manual). You will also need to set the communications or programing software to 4800 baud to match what you set the KPC-3 to last time.
The 45xl antenna works much better on the car roof, a short (6') antenna cable and some duct tape will accomplished this.
The SIG has had several postings in the past few weeks about feeding power into the KPC-3 if you have installed an internal battery. Reading these may save you $120.
Some postings in the last few days give info on the NMEA sentences mean and what they send to your TNC.
Good luck. My own interest in APRS relates to tracking search and rescue people in wilderness areas and mapping trails. I would like about 1 to 5 meter accuracy, I wish DOD would turn off SA as Clinton said they would (several months ago). On April 19 & 20 GPS was about worthless for a SAR mission I coordinated in NH, from the SIG I read that they were messing with the SA all weekend. I'm interested in HAM DGPS, sounds like it's being done in the DC area.

## 492. APRS city, coverage

From: TomR736570@aol.com
Date: Thu, 15 May 1997 11:39:37 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970515113935_-996418782@emout03.mail.aol.com>
Rendered body type: text/plain

SE New Hampshire is a sparse area. Only a few users, signal digipete is about zilch. This should change in a few weeks. Equipment and a 200+ foot high location have been obtained for a dedicated full time digipeter. It should be debugged and functional by the end of June. Stay tuned.

Tom Richardson, KA1WZU
Durham, NH

## 493. Unsubscribe problems

From: Dan Walker <SciCon@ix.netcom.com>
Date: Thu, 15 May 1997 08:33:32 -0700
To: aprssig@tapr.org
Message-ID: <337B2CCC.1D81@ix.netcom.com>
Rendered body type: text/plain

I hate to send this to the list, but the TAPR list server is NOT RESPONDING to my unsubscribe or signoff requests.

I have sent msgs to TAPR three times asking for help. One person at TAPR said that I was off the list, but I'm not!

Yes, the list has been very helpful to me, but I can't handle the mail volume at this address any longer.

Others obviously have this same problem because I've seen other msgs
like this on the list.

I hope the right person sees this and tracks down the problem.

73 de KE6LBX

## 494. WinAPRS V 2.0 Tracking?

From: hasan schiers <schiers@ames.net>
Date: Thu, 15 May 1997 10:57:49 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970515105747.00735f7c@pop3.ames.net>
Rendered body type: text/plain

I am using the Dayton (latest) v 2.0 of WinAPRS under Win95.

It is a WOW job! However....as with any new releases...

Two Obvious Problems:

1. I just noticed that tracking doesn't work again.

My vehicle n0an-9 shows up, has valid data sentences that
show up with altitude and distance travelled in the station
list, but when I hook the vehicle on the map and tell it to
replay the track, it just sits there and does not draw the
red track line.

Anyone else have v 2.0 tracking working? I don't have enough
tracking packets from anyone else to be sure if it is all
objects or just the -9 ssid problem we had once before.

I do have k7pw-14 showing as a pickup with 6 track packets
and he doesn't show a track either. ...feedback please!

2. Coverage Circles don't appear to be compatible with dosAPRS:

Examples:

>From a digi: BEACON:!4211.10N/09548.11W#PHG3530/WIDE-RELAY MAPLETON etc
             (works just fine)

>From N0ZYT: N0ZYT>WIDE>APRS:>100036zPHG5392/WIDE-Reman.v791-Mail paul..
              (does not work...no coverage circle shown)

>From NA0R: NA0R>RELAY>WIDE>APRSW:=4143.50N/09343.23wPHG7150/WinAPRS ver..
              (works perfectly)

>From N0AN: N0AN>APRSW:=4158.25N/09333.36WZPHG9390/ -IASTOAMES ...
              (Works...is my own, of course)

>From WB8TIF: WIDE>APRSW:=42323.63N/09318.38W-PHG7100/WinAPRS 2.0.0...
               (Does not work)...and using latest WinAPRS


I haven't put the full paths in to save space.

If anyone can give me a hint as to why I am not displaying coverage
circles where there is PHG data, I would appreciate it.


Also any input on the Tracking problem. 73


-------------------
hasan schiers, N0AN

schiers@ames.net

## 495. route map for WinAPRS

From: Roger Sellers <rsellers@mail.rkd.snds.com>
Date: Thu, 15 May 1997 12:06:48 -0500
To: aprssig@tapr.org
Message-ID: <s37afd52.005@mail.rkd.snds.com>
Rendered body type: text/plain

Hello,
  Sunday our local club is working a bike-a-thon. Is there a way in
WinAPRS to "define" and display  route lines on the map as an overlay or

```
something?
  I'd like the bike-a-thon co-ordinators to see the bike route on the map at
all times as well being able to track positions. We will have several
trackers out there and would like to visually see where they are in
relation to the bike course beside just seeing show up on the map.

Any ideas or directions on "how to" will be a help.

Thanks in advance,

Roger Sellers
Technical Support Administrator
Sundstrand Aerospace
(815) 226-6839
FAX: (815) 226-5175
Internet:
Work: rsellers@snds.com
Home: rsellers@rockford.com
```

## 496. using LPT1 on a laptop

From: ko6xs@ko6xs.ampr.org
Date: Thu, 15 May 97 09:44:00 PST
To: aprssig@tapr.org
Message-ID: <16717@ko6xs.ampr.org>
Rendered body type: text/plain

```
Hi all,
I know that there was somediscussion a while ago about running APRS or
WINAPRS and Street Atlas 4.0 simultaneously under Win95 and piping the
output of APRS out serial port and in another to SA 4.0. If I'm not
mistaken,the result was to have all APRS info appear on SA4.0.

My question is: Is there software to enable one to use a paralell port
instead of using a serial port? That way you only two serial port on a
laptop; one for TNC input, one for APRS output plus the parralell port
for input to SA4.0.

Thanks in advance.

73s de Jon ko6xs

TNX & 73s de ko6xs, Jon


         □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
         □ □□□  smtp  ko6xs.ampr.org. 44.16.1.241   □□□ □
         □ □□□  ax25  ko6xs@kk6yo.#soca.ca.usa      □□□ □
         □ □□□  email ko6xs@wwcb.moonlink.net       □□□ □
         □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```

## 497. APRS MOBILE/STANDALONE OPS

From: David Dobbins <ddobbins@localaccess.com>
Date: Thu, 15 May 1997 10:05:46 +0000
To: aprssig@tapr.org
Message-ID: <337ADFF9.259A@localaccess.com>
Rendered body type: text/plain

```
I routinely travel in car equipped with KPC-3/G-45 combo setup for
mobile APRS with laptop, but many times it's too much hassle to bring
the laptop, but I'd still like to do stand-alone mobile. My solution was
a second TNC set up as a tracker, with GPS feeding both. Now I
understand the new Pico has capability to be used both APRS mobile
w/laptop OR standalone tracker, without reconfiguration. WAY COOL! If
this is true, would someone, or two people, enlighten me which model
Pico this feature works with. It certainly sounds better than two TNC's
in the car.

PS, just bought new KPC-3+ and must commend Kantronics for the great
look and feel of the new manual. Homework well done on the GPS features
and interface with APRS. Slick job!

Dave/WH6YC, Pe Ell, WA
```

## 498. Frequency Management

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Thu, 15 May 1997 11:05:00 -0700 (PDT)
To: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <337B503A@gismtpgate.gi.com>

Rendered body type: text/plain

Hi SIG,

...well (deep breath), here I go, placing
fire extinguishers nearby:

The past few days there has been some traffic regarding
selection of a "best" UHF channel for APRS use.

A couple of months ago it was 222 and a little before
that it was 2M.

There has been some issue as to what the data rate should be
on other than 2M.
 ------------------------------------------------
IMHO:

There ARE some issues regarding the finding of "home" freqs on all
bands, HF, VHF, and UHF.  And I'm including 145.79 as being a
possible for change.  We need real, live "national APRS freqs".  The
APRS community is growing fast, despite a number of dead areas
all over the USA.  So we're going to see increasing numbers of conflicts
over where we operate, until some channels are universally recognized
and accepted.

We don't think we can share channels with other networks as
we can't tolerate heavy loading and resultant collisions as can
connected networks.

We have discussed these concerns on the SIG, but nothing has come
of the discussions, because, well, maybe nobody wants to have
to be the recipient of all the complaints, flames, and gripes from those
others who only want to offer negative inputs.

Perhaps there needs to be a working group of a few brave souls who
are willing to recommend (investigate, suggest, mandate, whatever)
the frequencies that will work nationally for APRS use.  With the
blessings from the rest of the APRS community, for better or worse.

If this doesn't happen, some other things WILL happen:  conflict
with other users, bickering, complaints to FCC, jamming (intentional
and otherwise).  None of these are good things.  Some or all can add
to the weight of arguments from those who would take spectrum
away from us.

Let's look at the bands -

There seems to be a home on 30M, and apparently one on 17M.
20M may be a hopeless case.  40M, well, let's do the best we can.
80M, 15M - nothing has been suggested or tested to my knowledge.

144.39 has been offered as a new national 2M channel, which also works
for Canada / US interoperability.  Yes, it will cost some time, effort,
and
money to change, but hey, how much do crystals cost anyhow?  How
long does it take to retune a cavity?  (And N. Calif can get on the same
channel!!!!!!)

222 MHz has been shot full of holes due to "lack of equipment", but MFJ
makes a cheap radio for 222; Hamtronics makes better Tx and Rx modules,
and I bet I could come up with five or six IC-3A HT's if I asked around.
Gwyn Reedy has expressed at least mild interest in a packet-only radio
product for 222.  How about 9600 baud?  But what freq?

UHF - 441.05 vs. 445.925 vs. (?)
 ---------------------------------------------------
I for one feel that we can no longer 'slow roll' the frequency
commonality
issues.  Let's see if we can work smart and come up with a good plan
offering the most to the greatest number of users - APRS'ers or
otherwise.

I will volunteer myself to the extent I have time.  Who else is
willing to really do a little spectrum engineering?

I will happily accept whatever comments anyone has to offer.
 Constructive
ones may be offered up on the SIG since I think they concern us all.
Negative comments please direct to me in private so I can reply in the

same manner.

73 to you all
Dave Borcher  K7NG
dborcher@nogmail.gi.com  (SMTP only)

## 499. GPS20 antenna cable options

From: Gary Sanders <gsanders@gte.net>
Date: Thu, 15 May 1997 14:22:32 -0400
To: aprssig@tapr.org
Message-ID: <337B5467.20A9@gte.net>
Rendered body type: text/plain

I'm trying to build a tracker, and recently purchased two of the
used GPS20 boards that were mentioned recently on the group (Both
worked fine, by the way).

I've put one of the boards in a Pac-Tec type plastic case, and want
to install an external antenna connector on the back panel of the
case.

Does anyone have any suggestions on how I can do the antenna
connection at a reasonable cost?

Due to clearance problems, I need to use a right angle MCX connector
at the board itself.  Can these connectors be assembled without a
special crimping tool?

I'm considering using a BNC male connector for RG-174 and a bulkhead
connector at the cabinet back panel. Are BNC's suitable for these
frequencies?

Sorry in advance for so many questions, but the darn connectors are
so expensive and hard to get that I thought I would ask first.

Gary     WB0BZR
gsanders

(Unhappy because the hamfest is in Dayton and I'm not!)

## 500. KPC3-Plus

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 15 May 1997 13:31:40 -0500
To: aprssig@tapr.org
Message-ID: <337B568C.160@mindspring.com>
Rendered body type: text/plain

Just bought a new KPC3 Plus and it looks like it takes a much better
signal to place a station on the map. I just wondered if there are any
KPC3-Plus experts on here yet that can help with this problem, i looked
at the SWP command and don't understand that at all but does have
something to do with the CD SOFTWARE command as i use it. If possible
maybe someone could attach their INITTAPR.TNC file to a message to get
me going with the correct settings.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 501. Re: [APRSSIG:12620] WinAPRS V 2.0 Tracking?

From: Jeff Brenton <jeffb@stans.com>
Date: Thu, 15 May 1997 14:00:41 -0500
To: schiers@ames.net
Cc: aprssig@tapr.org
Message-ID: <337B5D59.3F33@stans.com>
Rendered body type: text/plain

>>tracking doesn't work

Actually, it does, but the Display|Replay Track way of getting to it is
broken. Try clicking on the mobile's icon, and hit the 'R' key...

Mark's been made aware of this, about an hour after 2.0 was reposted.

## 502. Re: WinAPRS V 2.0 Tracking?

From: joefoor@digitalexp.com (Foor, Joe)
Date: Thu, 15 May 1997 13:55:38 -0500

To: aprssig@tapr.org
Message-ID: <337B5C2A.6BF4@digitalexp.com>
Rendered body type: text/plain

hasan schiers wrote:

> 2. Coverage Circles don't appear to be compatible with dosAPRS:
>
> Examples:

> >From N0ZYT: N0ZYT>WIDE>APRS:>100036zPHG5392/WIDE-Reman.v791-Mail paul..
>               (does not work...no coverage circle shown)

That's ok, since this isn't a position packet, it won't work with
APRSdos either. Since all of the other examples worked, it doesn't look
like anything is wrong.

regards,
Joe KF4DYS  (I just do it all for fun now)
----------------------------------------
Miniature Repair Technician(retired), Electronics Instructor(retired),
Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired),
Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired),
Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 503. Re: [APRSSIG:12612] GPS45XL to KPC3 Plus

From: Robert Winingham <kc5ejk@onramp.net>
Date: Thu, 15 May 1997 15:13:08 -0500
To: jaykq4ms@ipass.net
Cc: aprssig@tapr.org
Message-ID: <v03102801afa11d614736@[206.50.201.104]>
Rendered body type: text/plain

>Hi all,
> I have a GPS45XL interfaced to a new KPC3 Plus. I've set up the TNC as per
>computer (486DX2-80) with comm programs. Seems like the TNC is NOT seeing
>the GPS data.

The LT buffer is filled my the GPS data
set the LT 1 buffer to spaces and see if the GPS added data.

if no data them can be cable problem
or
the GPSHEAD is not correct ( must be upper case) as it is looking
for an EXACT match to the GPS string.

1 $GPRMC
2 $GPGGA
3
4

73

Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 504. Re: [APRSSIG:12626] KPC3-Plus

From: Robert Winingham <kc5ejk@onramp.net>
Date: Thu, 15 May 1997 15:06:09 -0500
To: wa8inz@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <v03102800afa11b55cc2d@[206.50.121.47]>
Rendered body type: text/plain

>Just bought a new KPC3 Plus and it looks like it takes a much better
>signal to place a station on the map.

With reference to what ??

 ( A old KPC-3) or a different TNC.

A true Hardware state machine as in a AEA PK-96 does seem to pull
out a weaker signal.

------
Don't forget to set the xmit diviation on the KPC-3 Plus.
Mine was a bit over 4.5 Khz when first connect to a HTX-202
The digital pot works well - you can also do it via remote sysop.
------

73

Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 505. APRS CALENDAR 006

From: henryvb <henryvb@dpliv.com>
Date: Thu, 15 May 1997 16:19:05 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <337B7DC9.1402@dpliv.com>
Rendered body type: text/plain

With just too many things to do before leaving for Dayton, I haven't had time to update the Calendar the last few days.  Everything that has changed on the Calendar from last week has been mentioned on the SIG in the past 48 hours, so you should already be familiar with it.  It will be back in it's regular format next week.

C y'all @ the Pizza Party

Henry
N9WMM
henryvb@dpliv.com

## 506. Re: [APRSSIG:12620] WinAPRS V 2.0 Tracking?

From: BordingK@aol.com
Date: Thu, 15 May 1997 18:12:58 -0400 (EDT)
To: schiers@ames.net
Cc: aprssig@tapr.org, sproul@ap.org, ksproul@hardees.Rutgers.EDU
Message-ID: <970515180908_251689689@emout09.mail.aol.com>
Rendered body type: text/plain

In a message dated 97-05-15 13:28:41 EDT, you write:

<< aprssig@tapr.org >>

Agreed, it doesn't display a track.  I've got several hundred track packets, but Display, Replay Track doesn't work.  You can save that stations history and replay it and the icon moves around nicely on the map, so it the data being saved is good.

Also, a break thru of sorts, remote weather stations now show something in the gust portion of the data block.  Unfortunately, it's the same information showing in the average winds field, but we're getting there.  Now give me some meaniful rain information and I'll be happy.

Another comment, I took the day off from work to do some Ham stuff.  Seems I wasted a day, since I needed to talk to several ham tech support numbers, and they've all shut down and gone to Dayton!

de KF4COH
Ken (Unfortunately in Jacksonville, and not in Dayton!)

## 507. Re. WinAPRS v2.0 Tracking

From: rbost@itexas.net (Roy Bost)
Date: Thu, 15 May 1997 18:25:17 -0500
To: "AprsSig" <aprssig@tapr.org>
Message-ID: <19970515232615659.AAA149@rbost.itexas.net>
Rendered body type: text/plain

With my copy of WinAPRS v2.0, I get a track when I click on my van icon and press R.
 The Wx List now shows todays rainfall at 0.13", now shows humidity, and shows wind speed and wind gust.  Can't say what a remote Wx station would look like as we don't have any down here.

Roy W Bost, N5TAM
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 508. Re: [APRSSIG:12620] WinAPRS V 2.0 Tracking?

From: hasan schiers <schiers@ames.net>
Date: Thu, 15 May 1997 18:55:03 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970515185501.006db0d4@pop3.ames.net>
Rendered body type: text/plain

At 06:12 PM 5/15/97 -0400, BordingK@aol.com wrote:
>In a message dated 97-05-15 13:28:41 EDT, you write:
>
><< aprssig@tapr.org >>
>
>Agreed, it doesn't display a track.  I've got several hundred track packets,
>but Display, Replay Track doesn't work.  You can save that stations history
>and replay it and the icon moves around nicely on the map, so it the data
>being saved is good.

One VERY helpful fellow here on the sig noted that while the menu Display,
Replay Track doesn't work, the keyboard shortcut, R does! Perfectly. All
we need to do in the meantime (those of us mouse dependent), is hook the
station we want to track and hit R on the keyboard...wa la!!!

>
>Also, a break thru of sorts, remote weather stations now show something in
>the gust portion of the data block.  Unfortunately, it's the same information
>showing in the average winds field, but we're getting there.  Now give me
>some meaniful rain information and I'll be happy.


Yes, the remote wx are now doing better than showing all zeros! In fact, as
I look at KE2VV-3 I am seeing his Temp, Baro Pressure and Wind...also gust,
but as you note it is the same as wind, so unlikely to be right. I also
show an alarm from him (1).

>
>Another comment, I took the day off from work to do some Ham stuff.  Seems I
>wasted a day, since I needed to talk to several ham tech support numbers, and
>they've all shut down and gone to Dayton!
>
>de KF4COH
>Ken (Unfortunately in Jacksonville, and not in Dayton!)
>

Bummer! Thanks for your comments. 73,


------------------
hasan schiers, N0AN

schiers@ames.net


## 509. Re: [APRSSIG:12633] Re. WinAPRS v2.0 Tracking

From: hasan schiers <schiers@ames.net>
Date: Thu, 15 May 1997 18:57:19 -0500
To: rbost@itexas.net, aprssig@tapr.org
Message-ID: <3.0.32.19970515185717.006d7f80@pop3.ames.net>
Rendered body type: text/plain

At 06:36 PM 5/15/97 -0500, Roy Bost wrote:
>With my copy of WinAPRS v2.0, I get a track when I click on my van icon and
>press R.
> The Wx List now shows todays rainfall at 0.13", now shows humidity, and
>shows wind speed and wind gust.  Can't say what a remote Wx station would
>look like as we don't have any down here.
>
>Roy W Bost, N5TAM
>Granbury, Tx. 76048
>e-mail: rbost@itexas.net
>This message transmitted on 100% recycled electrons
>
>

Yes, the R trick works perfectly...very good news. Also nice to see rain
displayed in the proper format.

Some of the info from remote wx stations is showing up correctly now.

ke2vv-3 shows proper temp, pressure, and wind, with gust same as wind,
where before it showed as all zeros. Big improvement. 73,


------------------
hasan schiers, N0AN

schiers@ames.net


## 510. KPC-3 LED Problems

From: BordingK@aol.com
Date: Thu, 15 May 1997 20:34:57 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970515203457_-1967981386@emout01.mail.aol.com>
Rendered body type: text/plain

Anyone have any ideas why the LEDs on a basic KPC-3 would not be working to include the power one? Any yes, the LED command is set to ON!. Thanks in advance.

de KF4COH
Ken in Jax, FL

## 511. Re: [APRSSIG:12607] Re: listproc@tapr.org: Error Condition Re: Invalid request

From: Richard Amirault <amirault@shell1.tiac.net>
Date: Thu, 15 May 1997 21:14:54 -0400 (EDT)
To: Steve Dimse <sdimse@bridge.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.BSF.3.95q.970515211417.25776A-100000@shell1.tiac.net>
Rendered body type: text/plain

On Thu, 15 May 1997, Steve Dimse wrote:

> On 5/15/97 12:59 AM Patrick Cook (patcook@dimensional.com) wrote:
>
> >QUIT BOMBING THE LIST WITH YOUR !@#%^^&# JUNK!!! THIS IS THE *SECOND*
> >SUCH PIECE I'VE SEEN TONIGHT!!! IF YOU SEND ANOTHER, I'LL SEND IT TO
> >JUNO's POSTMASTER!!!!!
> >
> >NOW DO YOU GET THE MESSAGE????
> >
> You're lucky, I tried to help the guy via email, and now not only do I
> get the same junk he is sending to the list, but he sends me an extra
> copy direct. He seems to be incapable of following directions.

OR ... maybe the directions don't work for him (I've been there)

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

## 512. Re: [APRSSIG:12607] Re: listproc@tapr.org: Error Condition Re: Invalid request

From: Steve Dimse <sdimse@bridge.net>
Date: Thu, 15 May 97 21:20:28 -0400
To: "Richard Amirault" <amirault@shell1.tiac.net>
Cc: "aprssig" <aprssig@tapr.org>
Message-ID: <199705160120.VAA08467@bridge.net>
Rendered body type: text/plain

On 5/15/97 9:14 PM Richard Amirault (amirault@shell1.tiac.net) wrote:

>> You're lucky, I tried to help the guy via email, and now not only do I
>> get the same junk he is sending to the list, but he sends me an extra
>> copy direct. He seems to be incapable of following directions.
>
>OR ... maybe the directions don't work for him (I've been there)
>
No, he was sending me the transcripts of the problem. He was sending

UNSUBSCRIBE APRSSIG (whatever his name was)

The listserver was replying that his name wasn't a valid list. I pointed this out to him, gave him the correct syntax and he continued to send it wrong, and cc me with the results.

Steve K4HG

## 513. Got a GPS-II+! (mini review)

From: Joe Tomasone <jtomason@usa.net>
Date: Thu, 15 May 1997 23:23:50 -0400
To: aprssig@tapr.org
Message-ID: <2.2.32.19970516032350.0093d42c@pophost.li.net>
Rendered body type: text/plain

Greetings all.

Just picked up a GPS-II+ today. I played around with it for a while, side by side with my GPS-II. Here's what I found:

The II+, as expected, acquires and gets a position fix MUCH faster than

the II.  So much so that it was scary.  Most times, the II+ was showing
posits before the II had it's first bird.  It also, as expected,
held more birds and with greater signal strength.

The units are packed in the same casing, with only the name
to tell them apart.  However, the software in the II+ looks much
slicker.  Most of the features are the same.  One somewhat-useful
addition is that you can show waypoints as one of a handful of
icons instead of just a dot.  The backlighting has changed, and is
now a cool bluish-white.  I don't yet know which I like better, this
or the II's green.

Interestingly, when the two were run together, they differed on the
exact lat/long, speed, and heading.  Providing more horizontal seperation
between the units did not seem to improve this any.  They tended to
be off 1 degree in bearing, .5 to 1 mph, and a few hundredths in lat/long.
Why?  Search me.  I have had no way yet to determine which was the more
accurate.  I am now curious to line up some other units to see what gives.

If anyone is interested, I'll do a more in-depth review of the II+ when I've
had some more time with it.

For those interested, I got it at Defender Industries in Waterford, CT
for $239.00.  Nice bunch of folks up there.  I could not find it locally,
the 3 or 4 stores I called were not even aware that the model existed.

(also posted to sci.geo.satellite-nav)


   73 de Joe, AB2M



--

** Joe Tomasone - Amateur Radio Callsign AB2M ************
*                                                         *
*  DIGITAL RADIO OFFICER, Suffolk County, NY ARES/RACES   *
*                                                         *
*  INTERNET: jtomason@li.net or ab2m@callsign.net         *
*  HOMEPAGE: http://www.li.net/~jtomason                  *
*                                                         *
*                                                         *
*       "God is real, unless declared integer"            *
*                                                         *
***********************************************************

## 514. KD4EMI-3 status

From: kd4emi@juno.com (Michael A. Kantor)
Date: Thu, 15 May 1997 23:47:44 -0400
To: aprssig@tapr.org
Cc: APRS-fl@tapr.org
Message-ID: <19970515.234745.9022.0.KD4EMI@juno.com>
Rendered body type: text/plain

looks like EMI-3 is back on line.
Replaced a diode and cleaned the little pot for the deviation, now
appears to work fine.

Will smoke test it tomorrow at the hosptial.

Please report any anomaly to me.

thanks
mike kd4emi@juno.com

## 515. List instructions

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 15 May 1997 23:16:59 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <337BDFBA.4B68B7FB@probe.net>
Rendered body type: text/plain

With the recent problems people have had unsubscribing from the aprssig,
I thought I would forward to the list a copy of the welcome message you
get upon joining.  There a few important details listed, with
unsubscribe instructions at the end of the message.  My apologies to the
list maintainers and members, but I thought this would be a good time to
refresh everyone's memories...

Jim N0RMO
---
You have been added to list aprssig@tapr.org.
The system has recorded your address as

<your email address here>

and in order for your messages to get posted (if the list accepts postings),
you will have to send them from this address, unless the list does not require
subscription for posting.
If a message is ever rejected, please contact the list's owner:
tapr-mail@tapr.org

Your initial password is <insert your assigned password here>. Please change it as soon as you can
by issuing the following request to listproc@tapr.org:

SET APRSSIG PASSWORD your-assigned-password new-password

WARNING: Do not use your login password; you will be breaching security at your
site.

You may change the address you are subscribed with (currently <your email address here>)
with the following request:

SET APRSSIG ADDRESS your-password new-address

assuming that you keep the same password.

For information on this service and how to use it, send the following request in the body of a mail message to listproc@tapr.org:

HELP

All requests should be addressed to listproc@tapr.org.

Welcome to the TAPR APRS Special Interest Group (APRS SIG)

What is APRS? (Automatic Packet Reporting System)

What is GPS (Global Positioning System)

Where am I?

Where are you?

Where is the Hurricane?

What is the weather like?

Where are the emergency vehicles?

APRS is a system used for tracking people, weather, objects, weather balloons, and many other aspects of Amateur Radio.

APRS was developed by Bob Bruninga, WB4APR, and was first introduced to the
Amateur Radio community at the ARRL Computer Networking Conference in 1992
in New Jersey. Over the last couple of years, APRS usage has grown and expended all across the country, and many new features have been added to
this system.

Keith Sproul, WU2Z, introduced the Macintosh version of APRS at the 1994

Dayton Hamfest, and released the Macintosh version of the APRS software

at
the 1994 ARRL Digital Communications Conference in Minnesota.

This goal of this Special Interest Group is to create a forum for people

interested in this type of activity so that they can ask questions and
compare notes and exchanged ideas.

We will discuss things pertaining to APRS itself, GPS, GPS units
applications of this type of technology, automatic weather reporting,
uses
of APRS in public events such as bike-a-thones, and uses of APRS in
emergencies.

The mailing list is maintained at the TAPR internet system.
Messages should be addressed to aprssig@tapr.org

Your chairperson of the APRSSIG is Keith Sproul
_____

Keith Sproul WU2Z
Student Housing Network Adminstrator ksproul@noc.rutgers.edu
Rutgers University Computing Services 908 445-3695 Work
908 821-4828 Home

---

Tucson Amateur Packet Radio
8987-309 E Tanque Verde Rd #337 * Tucson, Az * 85749-9399 * 817-383-0000

**********

To unsubscribe from this mailing list send a message to
`listserv@tapr.org`
with the following line in the body of the message:

signoff aprssig

## 516. HAmPS Home Page

From: Marty Albert <marty@trucom.com>
Date: Fri, 16 May 1997 00:48:57 -0500
To: packet-pbbs@qsl.net, aprssig@tapr.org, bbssig@tapr.org, hfsig@tapr.org,
netsig@tapr.org, ss@tapr.org
Message-ID: <1.5.4.32.19970516054857.0069a7b8@mail.trucom.com>
Rendered body type: text/plain

This message is to announce the new Heartland AMateur Packet Society (HAmPS)
Home Page located at URL:

http://www.geocities.com/CapeCanaveral/Lab/7067

HAmPS is a group that facilitates packet radio network development with a
focus on operations in the Heartland of the United States.

Membership is FREE and open to all interested parties.

Please drop by the HAmPS Home Page for more information.

Take Care & 73

Marty Albert - marty@trucom.com
Amateur Radio: KC6UFM@KC6UFM.#SEMO.MO.USA.NOAM

Heartland Internet Services

**********
Interested in Amateur Radio?
http://www.trucom.com/ppages/marty
**********

## 517. Re: [APRSSIG:12624] Frequency Management

From: Patrick Cook <patcook@dimensional.com>
Date: Fri, 16 May 1997 00:20:11 -0600 (MDT)
To: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970516001913.28656B-100000@nova.dimensional.com>
Rendered body type: text/plain

Hi Dave:

I say leave 145.79 alone.

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

## 518. RE: [APRSSIG:12639] Got a GPS-II+! (mini review)

From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Fri, 16 May 1997 8:13:00 -0500
To: aprssig@tapr.org
Message-ID: <M921537.029.a4yjz.1.970516151426Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain

Joe,

Thank you for your information on the GPS-II+.  I do have two questions,

1 - How well does the GPS-II+ operate with a VHF and/or a UHF transmitter
     operating in close proximity.

2 - If you have ever seen a 12XL, how does the Satellite acquisition of the 12XL
    Compare to the GPS-II+.  They are suppose to be the same engine, so they
    should be the same.  The only problem may be a RF Receive loss in the
    packaging.

Thanks again for the info.

Brian McCarthy
N7TUQ
work: sc1966@email.mot.com
home brianmc@primenet.com

-----Original Message-----
From:   aprssig@tapr.org@INTERNET
Sent:   Thursday, May 15, 1997 10:23 PM
To:     aprssig@tapr.org@INTERNET
Subject:        [APRSSIG:12639] Got a GPS-II+! (mini review)

Message authorized by:
    : jtomason@usa.net@INTERNET at #EMAIL

Greetings all.

Just picked up a GPS-II+ today.  I played around with it for a
while, side by side with my GPS-II.  Here's what I found:

The II+, as expected, acquires and gets a position fix MUCH faster than
the II.  So much so that it was scary.  Most times, the II+ was showing
posits before the II had it's first bird.  It also, as expected,
held more birds and with greater signal strength.

The units are packed in the same casing, with only the name
to tell them apart.  However, the software in the II+ looks much
slicker.  Most of the features are the same.  One somewhat-useful
addition is that you can show waypoints as one of a handful of
icons instead of just a dot.  The backlighting has changed, and is
now a cool bluish-white.  I don't yet know which I like better, this
or the II's green.

Interestingly, when the two were run together, they differed on the
exact lat/long, speed, and heading.  Providing more horizontal seperation
between the units did not seem to improve this any.  They tended to
be off 1 degree in bearing, .5 to 1 mph, and a few hundredths in lat/long.
Why?  Search me.  I have had no way yet to determine which was the more
accurate.  I am now curious to line up some other units to see what gives.

If anyone is interested, I'll do a more in-depth review of the II+ when I've
had some more time with it.

For those interested, I got it at Defender Industries in Waterford, CT
for $239.00.  Nice bunch of folks up there.  I could not find it locally,
the 3 or 4 stores I called were not even aware that the model existed.

(also posted to sci.geo.satellite-nav)

   73 de Joe, AB2M

```
--

** Joe Tomasone - Amateur Radio Callsign AB2M ************
*                                                         *
*  DIGITAL RADIO OFFICER, Suffolk County, NY ARES/RACES   *
*                                                         *
*  INTERNET: jtomason@li.net or ab2m@callsign.net         *
*  HOMEPAGE: http://www.li.net/~jtomason                  *
*                                                         *
*                                                         *
*       "God is real, unless declared integer"            *
*                                                         *
***********************************************************
```

## 519. EMI-3

From: kd4emi@juno.com (Michael A. Kantor)
Date: Fri, 16 May 1997 12:19:47 -0400
To: aprssig@tapr.org
Cc: APRS-FL@tapr.org
Message-ID: <19970516.121948.9950.0.KD4EMI@juno.com>
Rendered body type: text/plain

So much for best laid plans

EMI-3 back off the air.  TNC working fine now,
antenna reading   2 OHMS...

Gotta go climing.
hope to have it on line b4 the hurricane drill is over.

Mike

## 520. MacAPRS 3.0 Bugs

From: Donald R Froula <dfroula@interaccess.com>
Date: Fri, 16 May 1997 12:19:31 -0500 (CDT)
To: aprssig@tapr.org
Cc: dfroula@interaccess.com
Message-ID: <199705161719.MAA15667@psycfrnd.interaccess.com>
Rendered body type: text/plain

I noticed the following two bugs with the MacAPRS version 3.0:

1.) Autoscrolling or moving map mode does not work when using
a GPS as input.  This works fine with 2.8.

2.) The "Position Report Settings" window locks up the program when
it is displayed.  There is no way to dismiss the window
or quit Mac APRS, except a reboot or by forcing a quit with
the "CMD + Opt + Esc" sequence.

Regards,

Don Froula
WD9DMP

## 521. DFJr and APRS

From: BordingK@aol.com
Date: Fri, 16 May 1997 13:32:58 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970516133255_385991744@emout17.mail.aol.com>
Rendered body type: text/plain

1.  Looking for some help with DFJr.  Club bought two on my recommendation
based on what I've seen on this and other SIGs, but so far we are not
impressed.

2.  Need lead on finding that Menu/Command Card that been spoken about on the
SIG.

3.  Also need suggestions on how to get DFJR up and running APRS with a dual
port Pico Packet.

Please reply directly to save bandwidth.  Thanks in advance

de KF4COH

Ken in Jax, FL

## 522. Trimble Mushroom Memory

From: ttyamada@CCGATE.HAC.COM
Date: Fri, 16 May 97 11:04:52 PST8
To: aprssig@tapr.org
Message-ID: <9704168638.AA863806016@CCGATE.HAC.COM>
Rendered body type: text/plain

Does anyone know the specs for the memory retention feature
of the Trimble "Mushroom" GPS?

I have the connector pin-out, but I'd like to know
Power consumption, voltage, etc before I hook it
up.

If anyone's tried it, how well does it work?

Thanks,
Ted (KJ6ZJ)

ttyamada@ccgate.hac.com

## 523. Bugs in 2.0

From: Demos Doulou <ddoulou@gte.net>
Date: Fri, 16 May 1997 15:18:45 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970516151845.006a3154@mail.gte.net>
Rendered body type: text/plain

The version of winaprs 2.0.0 on the TAPR sig now  (the third release)
still has the no sound on new mail problem.  The color is right now though.
 This has been versified by other users.  But the 1 minute default for pos
rate is back.

The second release had the pos rate default at 30 minutes, no color and no
sound.

Guess we will have to wait till after Dayton to get these fix.

73

Demos Doulou
ddoulou@gte.net
KR4US   kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 524. Re: [APRSSIG:12622] using LPT1 on a laptop

From: kc4pod@juno.com (Jeff Buffington)
Date: Fri, 16 May 1997 16:29:19 EDT
To: ko6xs@ko6xs.ampr.org
Cc: aprssig@tapr.org
Message-ID: <19970516.162904.3382.1.kc4pod@juno.com>
Rendered body type: text/plain

On Thu, 15 May 1997 12:31:46 -0500 (CDT) ko6xs@ko6xs.ampr.org writes:
>Hi all,
>I know that there was somediscussion a while ago about running APRS or
>WINAPRS and Street Atlas 4.0 simultaneously under Win95 and piping the
>output of APRS out serial port and in another to SA 4.0. If I'm not
>mistaken,the result was to have all APRS info appear on SA4.0.
>
>My question is: Is there software to enable one to use a paralell port
>instead of using a serial port? That way you only two serial port on a
>laptop; one for TNC input, one for APRS output plus the parralell port
>for input to SA4.0.
>
>Thanks in advance.
>
>73s de Jon ko6xs
>
>TNX & 73s de ko6xs, Jon

Actually, I've pondered this myself quite often.  With Bi-directional and
IEEE-1284 compliant parallel ports, you'd think someone could come up

with an inexpensive interface.  With external ZIP drives and scanners
that utilize ECP and EPP modes for efficient data transfer...this should
be feasable.

Another suggestion (along the same lines), perhaps someone could devise a
"stand-alone" device, capable of multiplexing serial connections.
Possibly interfacing with a parallel port.  Obviously code would need be
written to support this on the PC side.  I can logically think of how to
do this, but I lack the technical understanding of how to actually
utilize that port.   Additionally, what about MIDI and PCMCIA ports..also
avenues for data interchange.


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 525. Re: using LPT1 on a laptop

From: Barry Dunlap <bdunlap@tnrcc.state.tx.us>
Date: Fri, 16 May 1997 16:43:28 -0500
To: aprssig <aprssig@tapr.org>
Message-ID: <337CD500.8EE52A15@tnrcc.state.tx.us>
Rendered body type: text/plain

> >Another suggestion (along the same lines), perhaps someone could
> devise a
> >"stand-alone" device, capable of multiplexing serial connections.
> >Possibly interfacing with a parallel port.  Obviously code would need
> be
> >written to support this on the PC side.  I can logically think of how
> to
> >do this, but I lack the technical understanding of how to actually
> >utilize that port.   Additionally, what about MIDI and PCMCIA
> ports..also
> >avenues for data interchange.

There are PCMCIA Serial port cards available - about $150 a shot for one
port and  2 port versions are available for a bit more.

## 526. Re: GPS20 antenna cable options

From: morganb@inetport.com (Robert B. Morgan)
Date: Fri, 16 May 1997 16:58:09 -0500 (CDT)
To: aprssig@tapr.org
Message-ID: <199705162158.QAA21329@admin.inetport.com>
Rendered body type: text/plain

I installed my GPS20 inside a TINY-2 (Micropower TNC2 from Paccomm),
and here's what I had to do.  Your situation may be a little different.
It made a real nice self contained unit, only HT and battery and
GPS antenna are external components.

I discovered that a sheet of perfboard cut to the same size as the PCB
in the TNC will fit in the opposite, or top slot in the case.  I found
a location where the GPS20 could be mounted in this perfboard where it
wouldn't conflict too much with parts on the TNC PCB, and cut it so that
the GPS20 would straddle the perfboard.  As it turned out, I didn't allow
for the location of the right angle MCX connector to the GPS, and it
did interfere with one of the IC's on the TNC.  My solution to that
error was to remove that IC socket and mount the IC directly to
the board.  I think that better planning would have avoided that.  There is
lots of real estate available on the perfboard for other things
in the future, and I am rather pleased that I can cram lots of stuff
inside that little TNC.  Of course, it isn't quite a pico though....

I used the pigtail TAPR sent with the GPS20 that already had the
right angle connector attached.  I have done other larger connectors
without a crimper, but haven't tried that one, so maybe it will, maybe
not.  I can't say.  If you are very careful you can probably do it.

I mounted an SMA bulkhead on the rear panel between the power jack and the
radio interface jack.  I think a BNC would have been way too big for
that particular application.  Either plug will work fine at 1600 MHz, a lot
better in fact than the RG174, which is terrible at that freq.  The only
reason we use it is that we use short lengths driven by active antennas.
If your box is big enough to hold the BNC, it will be fine.

I powered the GPS20 from the 5V reg in the TNC, and I was in a hurry, but

I intend to go back and add some kind of a switching regulator to
power just the GPS, which will drop the power drain and the heat.  I
have it set up to use it portable, I did so last month in fact and
reported on it here earlier.  Another improvement would be to set up the
TNC to command the power off and on to the GPS for taking periodic
readings and shutting it off to conserve a battery pack.  While it isn't
fully written yet, I am working on an eprom to do some of those
jobs in addition to cooking the data into APRS format and a few other things.

One other small problem that I think I saw happen was that the usual
coaxial power plug on the TNC may have made intermittent contact a few
times in portable service, and I am thinking about hardwiring the
power lead to the TNC, and use a good reliable connector at the battery.

73 de Bob WB5AOH
Robert Morgan
Austin Texas
morganb@inetport.com


>I'm trying to build a tracker, and recently purchased two of the
>used GPS20 boards that were mentioned recently on the group (Both
>worked fine, by the way).
>
>I've put one of the boards in a Pac-Tec type plastic case, and want
>to install an external antenna connector on the back panel of the
>case.
>
>Does anyone have any suggestions on how I can do the antenna
>connection at a reasonable cost?
>
>Due to clearance problems, I need to use a right angle MCX connector
>at the board itself.  Can these connectors be assembled without a
>special crimping tool?
>
>I'm considering using a BNC male connector for RG-174 and a bulkhead
>connector at the cabinet back panel. Are BNC's suitable for these
>frequencies?
>
>Sorry in advance for so many questions, but the darn connectors are
>so expensive and hard to get that I thought I would ask first.
>
>Gary     WB0BZR
>gsanders
>
>(Unhappy because the hamfest is in Dayton and I'm not!)

Me either.

## 527. Re: using LPT1 on a laptop

From: Steve Boyle <sboyle@netcom.com>
Date: Fri, 16 May 1997 15:01:35 -0700
To: aprssig@tapr.org
Message-ID: <337CD93F.2DB6@netcom.com>
Rendered body type: text/plain

There is a company called Socket Communications, that have 1 and 2 port
serial PCMCIA cards (I have the 1-port version ~$100). So in theory you
could add four more COM ports to a laptop with 2 PCMCIA TypeII ports!

My 2 cents,

Steve
KD6WXD

## 528. Re: [APRSSIG:12563] WIN QUESTION

From: kc4pod@juno.com (Jeff Buffington)
Date: Fri, 16 May 1997 16:29:19 EDT
To: kd4emi@juno.com
Cc: aprssig@tapr.org
Message-ID: <19970516.162904.3382.2.kc4pod@juno.com>
Rendered body type: text/plain

On Wed, 14 May 1997 15:17:21 -0500 (CDT) kd4emi@juno.com (Michael A.
Kantor) writes:
>The new version looks great, 2 questions
>#2 SOUNDS
>I noticed that the sounds like tnc connected etc are listed in the
>help

>file, are these available for win aprs (win 95)
>Mike KD4EMI@JUNO.COm

I haven't found many other sets of WAV's out there..but you can always
make your own.

One interesting question..regarding the WAVs...isn't the "You've got
mail!" copyrighted??  I mean, AOL loves throwing that in their
commercials (gag).. but I was under that impression..have heard others
been threatened w/ lawsuits for use of that.  Anyone know for sure?


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 529. Re: [APRSSIG:12653] Re: using LPT1 on a laptop

From: "Jason Baack" <baack@maine.edu>
Date: Fri, 16 May 1997 21:05:22 +0000
To: aprssig@tapr.org
Message-ID: <199705170117.VAA27785@monet.umecut.maine.edu>
Rendered body type: text/plain

> Date:          Fri, 16 May 1997 17:17:05 -0500 (CDT)
> Reply-to:      sboyle@netcom.com
> From:          Steve Boyle <sboyle@netcom.com>
> To:            aprssig@tapr.org
> Subject:       [APRSSIG:12653] Re: using LPT1 on a laptop

> There is a company called Socket Communications, that have 1 and 2 port
> serial PCMCIA cards (I have the 1-port version ~$100). So in theory you
> could add four more COM ports to a laptop with 2 PCMCIA TypeII ports!
>
> My 2 cents,
>
> Steve
> KD6WXD
>
There is also a Fujitsu serial card that utilizes a PCMCIA port,
you  can get them new for $75.00. Microsystem warehouse lists them
in their catalog.

My .02 cents
Jason
N1RWY

## 530. (no subject)

From: Demos Doulou <ddoulou@gte.net>
Date: Fri, 16 May 1997 21:19:54 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970516211954.006a3c40@mail.gte.net>
Rendered body type: text/plain

Just had a lengthy aprs conversation with someone running winaprs 2.0  got
one ack then nothing.  Seems like the entire messaging portion has bugs.
Anyone else experiencing these problems?


73

Demos Doulou
ddoulou@gte.net
KR4US   kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 531. Re: using LPT1 on a laptop : Socket Info

From: Steve Boyle <sboyle@netcom.com>
Date: Fri, 16 May 1997 20:22:49 -0700
To: aprssig@tapr.org
Message-ID: <337D2489.25CF@netcom.com>
Rendered body type: text/plain

David D. Howard (N5GRK) wrote:
>

> Steve,
>
> Do you have a phone number or address for Socket?  Need the 2 port version.
>
> Thanks,
>
> david
> dallas
> ////////////////////////////////////////////////////////////////

(Sent to the SIG)

David -

Sure, here is all the I know:

Address:
 Socket Communications
 6500 Kaiser Dr.
 Fremont, CA 94555
 USA

Phone, Fax, & Email
 Phone: 510-744-2700; 800-552-3300
 Internet:  http://www.socketcom.com
 Fax: 510-744-2727
 Email: info@socketcom.com
 Tech Support: 510-744-2720

Business Hours: Mon-Fri 8:30am-5:00pm; Sat-Sun CLOSED pacific times


Good Luck,
Steve
KD6WXD

## 532. Roadtrip

From: Dave Kaszubski <dkaszubski@why.net>
Date: Fri, 16 May 1997 23:06:04 -0700
To: aprssig@tapr.org
Message-ID: <337D4ACC.623B@why.net>
Rendered body type: text/plain

I'll be taking the wife on a little drive in the country for our vacation
this year, but not to Dayton 8-{
Instead we are heading west from Fort Worth, TX and will try to increase
APRS activity in the southern part of New Mexico for the next 10 days.
Transmitting positions every 10 minutes on 145.79 at 10 watts into a
1/4 wave on the roof and monitoring for voices on 146.52 simplex and/or
14.282 USB. Probably setup a laptop whenever we stop for the night. I
would appreciate all reception reports.
If the results are similar to our trip to Utah last year, I am going to
seriously consider moving to mobile HF for APRS...
--
Dave Kaszubski      WB3FYV
dkaszubski@why.net     also:  ustuia6v@ibmmail.com
Benbrook, Texas  N 32 40.319'   W 097 26.844'
Texas Utilities Amateur Radio Club

Still experimenting with APRS...
http://users.why.net/dkaszubski/

## 533. [Fwd: Re: [APRSSIG:12658] Roadtrip]

From: n5rkn <n5rkn@apex2000.net>
Date: Sat, 17 May 1997 00:00:35 -0500
To: aprssig@tapr.org
Message-ID: <337D3B73.6E59@apex2000.net>
Rendered body type: text/plain

--
73'  Robert  N5RKN
 mailto:n5rkn@apex2000.net
 N5RKN homepage: http://www.apex2000.net/personal/n5rkn/
 Odessa Hamfest: http://www.apex2000.net/personal/wd5cwj/main2.htm

"If you dig a hole that's deep enough,
 everyone will want to jump into it."
 Firesign Theatre

## 534. Re: [APRSSIG:12649] Bugs in 2.0

From: Jeff Brenton <jeffb@stans.com>
Date: Sat, 17 May 1997 00:24:16 -0500
To: ddoulou@gte.net
Cc: aprssig <aprssig@tapr.org>
Message-ID: <337D4100.429@stans.com>
Rendered body type: text/plain

Demos Doulou wrote:
> Guess we will have to wait till after Dayton to get these fix.

There are a couple of others that I've put into the Sproul's queue,
including a repeatable "Unhandled Exception" when trying to view certain
stations...

## 535. Subject: Re: using LPT1 on a laptop

From: hale@smart.net
Date: Sat, 17 May 1997 05:37:01 -0400
To: aprssig@tapr.org
Message-ID: <199705170937.FAA08260@smarty.smart.net>
Rendered body type: text/plain

Hi all, first time contributor....

>My question is: Is there software to enable one to use a paralell port
>instead of using a serial port? That way you only two serial port on a
>laptop; one for TNC input, one for APRS output plus the parralell port
>for input to SA4.0.

Actually, I think a software-only solution would be even better. I would
like to see a standalone driver that implements what would appear to be two
"virtual" com ports. Any data sent to one of these ports would be mirrored
back to the other, and vice versa, creating a transparent link between the
two virtual comm ports. The driver would replace, say, COM3 and COM4.

I don't do low-level coding, but it seems that someone should be able to
write a driver that can intercept the data reads and writes that usually go
to the UART hardware and redirect it as appropriate. Since there would be no
real UART for terminal handshaking, the driver would just not support
hardware handshaking, unless the code wizards can work around that as well.
Since XON/XOFF handshaking is data based, it should work OK (I'm new to
packet, does packet use XON/XOFF?). Since the driver is only reflecting
data, it should not require any additional H/W interupts to implement.

Is there a know APRS limitation that requires it to use just COM1 and COM2?
If so, the driver should be flexible enough to subsitute any available com
port (ie: COM2 for APRS and COM4 for Street Atlas). With COM1 for a mouse
and COM3 for some a second, real, serial port.

A feature that springs to mind (but would only be more icing on the cake) is
data buffering so the to virtual ports could run at different baud rates.
The first try at a driver should simply require both ports to run at the
same rate, but this feature could eventually help in any cases where the two
applications run a different rates.

The main advantages to this approach are that it:

 1) requires ZERO additional hardware,

 2) leaves the available serial and parallel ports free for other uses,

 3) works when the machine cannot support more hardware, and

 4) saves $$$ for what is nothing more than a simple data lookback.

Anyone interested in writing such a driver?

Darrell Hale,  N3KTP.

## 536. APRS messages found on PACKET

From: Bob Merchant <KB8AST@mwweb.com>
Date: Sat, 17 May 1997 07:01:28 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970517070128.006a0690@MAIL.mwweb.com>
Rendered body type: text/enriched

I found these two messages on my packet BBS. Maybe someone on the sig can help them out. Please respond to them direct...and not to me.  Bob

MSG # TR  SIZE TO     FROM   @BBS   DATE    TITLE

43031 B#  1003 APRS   KF4MVR ALLUS  970516 HELP

R:970516/1509z 43031@KB8AST.#NEOH.OH.USA.NOAM $:39098_KO4SX

R:970516/0839 42734@WA8BXN.#NEOH.OH.USA.NA $:39098_KO4SX

R:970516/1227z 11406@W8IZ.#NEOH.OH.USA.NA $:39098_KO4SX

R:970516/1218z 50512@WB8BII.#NEOH.OH.USA.NOAM

R:970516/1220Z @:WB0TAX.#SHRV.LA.USA.NOAM #:42022

R:970516/1205Z @:F6CNB.#SETX.TX.USA.NOAM #:36830 [SUGARLAND] FBB7.00c

R:970516/1203Z @:W4DPH.#TPA.FL.USA.NOAM #:25181 [CLW] FBB7.00c $:39098_KO4SX

R:970515/2252Z @:KO4SX.#NWGA.GA.USA.NA #:39098 FBB7.00c $:39098_KO4SX

From: KF4MVR@KO4SX.#NWGA.GA.USA.NA

To  : APRS@USA

I RECENTLY STARTED USING APRS AND HAVE A FEW QUESTIONS. THERE ARE ONLY TWO KNOWN USERS IN THE AREA (N.W. GA.) THAT I'VE RUN ACROSS. BOTH OF WHICH ARE NEWCOMERS, ANY ASSISTANCE WOULD BE APPRECIATED. IF YOU LIVE WITH RADIO RANGE OF DALTON, GA. I HANG OUT ON 147.135 + OFFSET, ALSO IF ANYONE HAS A LOCAL MAP FOR THE NORTHWEST CORNER OF GEORGIA, I WILL GLADLY PAY FOR A 3.5 DISK AND POSTAGE FOR THE COPY.

73'S "JESSE" KF4MVR @ KO4SX.#NWGA.GA.USA.NOAM.

MSG # TR  SIZE TO     FROM   @BBS   DATE    TITLE

42894 B#  1029 APRS   WA4MJF ALLUS  970515 MAP HELP!

R:970515/0250z 42894@KB8AST.#NEOH.OH.USA.NOAM $:13228_W4RAL

R:970514/2142 42534@WA8BXN.#NEOH.OH.USA.NA $:13228_W4RAL

R:970515/0119z 11148@W8IZ.#NEOH.OH.USA.NA $:13228_W4RAL

R:970515/0059z 50127@WB8BII.#NEOH.OH.USA.NOAM

R:970515/0150Z @:W3IXR.#SWPA.PA.USA.NOAM #:34572 [PGH] $:13228_W4RAL

R:970515/0053Z @:KA6EYH.#NCA.CA.USA.NA #:47547 [Pacifica] FBB7.00c

R:970515/0058Z @:WB0TAX.#SHRV.LA.USA.NA #:41416

R:970515/0045Z @:N4WFU.#NC/VA.NC.USA.NA [Roanoke Rapids, NC] $:13228_W4RAL

R:970515/0043Z @:W4RAL.#RTP.NC.USA.NA [Raleigh] #:13228 Z:27591 FBB5.15

From: WA4MJF @ W4RAL.#RTP.NC.USA.NA

To  : APRS@USA

I need a map of the Raleigh area of North Carolina to use with APRS

DOS  7.7E.  I understand that they come from CD-ROMs.  The computer does not have a CDROM drive.  If they can be put on 3 1/2 HD floppies and used I would appreciate some.  Let me know and I'll reimburse for disks and postage and let you know the area I need.  Respond with a telephone number and time and I shall call.  Tnx es 73 de Ronnie

Bob Merchant  KB8AST@mwweb.com

Kay Johnson Merchant  MARGUERITE@mwweb.com

Margie Merchant Walker  MARJORIE@mwweb.com

Wayne Walker  SKYWALKER@mwweb.com

Painesville United Methodist Church  PVLUMC@mwweb.com

<color><param>0000,0000,ffff</param>http://www.mwweb.com/kb8ast/kb8ast.htm

</color>

Walker:  216-639-9097  3360 River Road

Merchant:216-259-3555  Perry, Ohio  44081

## 537. ERRORS on WIN 2.0

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sat, 17 May 1997 09:36:47 -0400
To: aprssig@tapr.org
Message-ID: <19970517.093647.3614.0.KD4EMI@juno.com>
Rendered body type: text/plain

Im getting weird error on win 2.0

Cant read map, out of memory error ..?

(got lotso memory)

Hmmm

Mike
KD4EMI@JUNO.COM

## 538. Alternate Paths in WinAPRS 2.0

From: hasan schiers <schiers@ames.net>
Date: Sat, 17 May 1997 09:22:18 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970517092216.006dc3f4@pop3.ames.net>
Rendered body type: text/plain

Has anyone gotten the alternate paths to work?

I am trying to cut down on clutter as the summer comes on, but I don't see the alternate paths you can set in Position Report Rate (Settings), doing anything....at least when I do a manual transmit of weather, it only goes out one path, and that is the path specified in Settings > TNC which initializes the port.

Anyone know if this works, how it is supposed to work?

Is the alternate path only functional when a timed event triggers an automatic transmission, like Wx every ten minutes...or position report once every 60 min? I have set my vhf alternate paths, but no go so far...Advice please? 73

---
hasan schiers, N0AN

schiers@ames.net

## 539. New APRSer

From: David Dunster <riders@sk.sympatico.ca>
Date: Sat, 17 May 1997 08:38:08 -0600
To: aprssig@tapr.org
Message-ID: <337DC2D0.10C8@sk.sympatico.ca>
Rendered body type: text/plain

Hello All

Just got into APRS here in Regina thanks to a fellow ham.

1. I'm running APRS 7.91 on a 386sx laptop with no problems however when I attempt to run it on an NEC 9619 the EGA mode trashes all text written on the screen. Switching

to VGA mode is perfect. Any thoughts on how to correct this? Running DOS mode only, no windows present.

2. Now that I've tried it and liked it, I need to get setup with a GPS unit. I've been eyeing the "Eagle View" as my GPS unit for APRS. Before I make the big purchase, has anyone got one and what were your results?

   Thanks in advance for any assistance you can give.

   David Dunster, VE5DGD
   Regina Saskatchewan Canada

## 540. (no subject)

From: KB7RSV@KB7RSV.ampr.org (SCOTT HAYDEN)
Date: Sat, 17 May 97 17:28:44 PST
To: aprssig@tapr.org
Message-ID: <4479@KB7RSV.ampr.org>
Rendered body type: text/plain

help?

## 541. APRS792/NEWNOTES.TXT(excerpt)

From: Cap Pennell <cap@cruzio.com>
Date: Sat, 17 May 1997 17:11:00 -0700
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970517171100.006a8388@mail.cruzio.com>
Rendered body type: text/plain

Saw on the Dayton JavAPRS page that Bob WB4APR had APRS792 running in his booth. Found APRS792 at
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/APRSdos/

The following is quoted from \README\NEWNOTES.TXT in APRS792.ZIP

APRS792: Dayton 97 release
* DX cluster spots were not showing with the purple circle. Fixed
* Re-arranged MAPS-OVERLAYS command for more possibilities...
* Changed MAPS-GO to MAPS-HOME since "H" was now availalbe

73, Cap KE6AFE
--
Cap Pennell
Santa Cruz, CA 95062-1002 3658.92N/12200.88W
e mailto:cap@cruzio.com home page: http://members.cruzio.com/~cap
packet radio: KE6AFE @kg6ee.#cca.ca.usa.noam

## 542. TX hold off circuit for mobile trackers

From: Wes Johnston <kd4rdb@usa.net>
Date: Sat, 17 May 1997 21:13:21 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970517210209.0068a5cc@coca.net>
Rendered body type: text/plain

I got it fellows!! Just finished today. A circuit that lets the TNC tx your position one more time after you shut off your car. That lets us run dead reckoning!! The circuit plugs in series with the TNC -> Radio cable, and inturrupts the PTT line. Power is provided from the radio port on the TNC (kpc 3 pin 7). TX interval is changed to 1/10th its original time. So if your tracker is set to TX your position every minute, when your car is shut off, it will TX once more on the minute, and then every 10 minutes there after. All the parts came from radio shack so that everyone can have a fair chance to build one. The circuit uses a 4017 decade counter, and the PTT advances the clock input every time the TNC tries to transmit. A switched 12 volt line keeps the RESET high when the car is operating, there by keeping Q0 high during normal operation. Q0 is hooked to a transistor, which in turn is hooked to a reed relay. The reed relay completes the PTT circuit to the radio. As soon as 12v is switched off, and the RESET is at 0V, the next PTT interval advances the clock one time, switching off Q0 and the reed relay. 9 PTT intervals later, we are back at Q0 being high, and the reed relay allows PTT to get to the radio once again. I did include a bypass switch for normal operation when car is switched off. Total cost including an enclosure was about $15.

If anyone is interested, I'll provide a schematic, if not, I'll save bandwidth on the SIG.
73's de Wes
Email: mailto:kd4rdb@usa.net

WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 543. WinAPRS still crashes on SelQ's

From: Jeff Brenton <jeffb@stans.com>
Date: Sat, 17 May 1997 21:35:10 -0500
To: Mark Sproul <sproul@ap.org>
Cc: Keith Sproul <ksproul@hardees.rutgers.edu>, aprssig <aprssig@tapr.org>
Message-ID: <337E6ADE.35E9@stans.com>
Rendered body type: text/plain

I've included the SIG in this to try and get people to STOP doing
Selective Queries of the entire world...

WinAPRS 2.0 still crashes when a Selective Query of 4096 or more comes
in, and the map is zoomed in on a 120-mile or so range. It's mainly been
HF stations doing the damage; why they can't just do a standard query
when looking at ranges beyond 128 miles is probably beyond me... guess
it's because they don't THINK about it!

It might crash on shorter-range SelQ's, but it's always been an HF
station asking for a 4096 mile radius when it crashes here...

## 544. Validation #

From: "Jim Crume" <Jcrume@msn.com>
Date: Sun, 18 May 97 04:18:53 UT
To: aprssig@tapr.org
Message-ID: <UPMAIL13.19970518042641006 3@msn.com>
Rendered body type: text/plain

Attn: Bob WB4APR

From: Jim KC7GHS

About a month ago I sent you a ckeck for $38.00 on my S.W.A.T. account for a
validation # for the APRS version 7.8.5 software.  As of the date of this
email the check has not came through the bank.  The phone number on the check
has been changed to 946-6864 which is on a fax/modem.  You can call my home
phone 602-947-7105 or work phone 602-892-3313 if you have any questions.  The
easiest way to get hold of me is through Email.

Jcrume@msn.com

If the check has become lost or stolen I can re-issue a new one.

Let me know if you have received it.

Thanks....Jim

## 545. Re: [APRSSIG:12665] APRSSIG digest 1022

From: N1IIC@aol.com
Date: Sun, 18 May 1997 02:33:52 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970518023352_-29241624@emout01.mail.aol.com>
Rendered body type: text/plain

I have noticed that 791 locks up sometimes when "Sending to TNC". It doesn't
do it all the time, and I have not noticed at what particular point it does
it...

de Jason N1IIC

## 546. Help: Motorola MTX8000

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 May 1997 02:28:19 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970518022815.006a08ac@mailhost.primenet.com>
Rendered body type: text/plain

Help.  I'm starting work on the commercial APRS system I've been asked to
setup and I've run into a few problems.

The radios they want me to use are Motorola MTX8000 Trunked 800 MHz units
and they have a 15 pin accessory connector instead of the usual
earphone/mic jack found on most HT's.  Can anyone supply a pinout for these?

Also, can anyone steer me to to a inexpensive supply of used MTX8000
speaker mic's or just the accessory cable w/o the microphone?  New ones are
$83.00 from Motorola.  Ouch!

Also, I'm looking for battery eliminators for the same HT's.  New from
Motorola is $75.  Double ouch!

C'mon, I know we have Motorola people on the SIG...

At that point we're getting to the area where we could go with a UHF
repeater vendor and use TEKK data radios...

73,

Mark
KC7BXS
sparkfel@primenet.com

## 547. APRS791 anomaly

From: Pat Bunsold <pbunsol@cati.csufresno.edu>
Date: Sun, 18 May 1997 08:20:54 -0700
To: aprssig@tapr.org
Message-ID: <199705181520.IAA23186@CATI.CSUFresno.EDU>
Rendered body type: text/plain

This is not a complaint or a bug notification, but a query to see if anyone
else has noticed a change in the way mobile trackers are shown on the screen.
I have been running 77E and all previous versions and they worked great.
With 791, I find that my mobile will not show a track if I drive over the
same road
It will display only dark grey tracks with no callsigns.  If I make a trip to
the store, the outbound trip shows up, but the incoming trip erases the callsigns and my -9 will not
show up as parked at the house.  This may have something to do with the APRS QRT mode, but I do not use
a laptop in the mobile.  Isearched
the DOCs and cannot find any reference to why this may occur.  I have gone back
to APRS77E so I can see the tracks.  Anyone else notice this strange occurrances?   73, Pat WA6MHZ

## 548. Motorola "Micor"

From: ad4cr@juno.com (James E Odom)
Date: Sun, 18 May 1997 11:46:10 -0400
To: aprssig@tapr.org
Message-ID: <19970518.114613.3398.0.AD4CR@juno.com>
Rendered body type: text/plain

Hi to all on the sig,  Hope you got all you needed at Dayton this year.
Does anybody in sig land have the mod to make a Micor in to a Repeater?
Its the mod by Jim Reese. Has anyone done this mod if so i need to ask
some questions about it.  Please e-mail off the sig and at
ad4cr@juno.com   thanks in advance,   jimO

## 549. 2.0 Bugs

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 18 May 1997 13:44:19 -0400
To: ksproul@hardees.rutgers.edu, sproul@ap.org
Cc: aprssig@tapr.org
Message-ID: <19970518.134419.5014.0.KD4EMI@juno.com>
Rendered body type: text/plain

Although I like some of the changes here is a bug list.

#1 The TNC settings seem messed up. When I send a msg to VHF ONLY or HF
only it isnt working right. Will only send to HF, even though I have the
correct
Stream charactors.  (KAM +)

#2 The TNC comes up differently, never stays on the selected choice.

#3 No mail icon when a new msg appears (nor does it say new mail)

#4 replay works, but just different (not a bug)

#5 how come there is never any rain from any of the stations in South FL.
      (South FL users look and see,  none of our stations report rain ?)

#6 posit time starts on 1 min, but does stay on what you set it.

#7 Out of memory error sometimes when unloading and changing maps
but only one map being viewed at one time.
(Lots of memory and no TSR running)

Is anyone else having these problems ?

Mike
KD4EMI@JUNO.COM

## 550. Re: MacAPRS 3.0 Bugs

From: "Ronald G. Parsons" <w5rkn@amsat.org>
Date: Sun, 18 May 1997 21:09:34 +0000
To: aprssig@tapr.org
Message-ID: <337F700E.3922@amsat.org>
Rendered body type: text/plain

I observe problem 1 below but not problem 2. Running on a PowerBook 5300
with a PicoPacket with a GPS 20 on the Pico's second serial port.

Donald R Froula wrote:
>
> Date: Fri, 16 May 1997 12:19:31 -0500 (CDT)
> From: Donald R Froula <dfroula@interaccess.com>
> To: aprssig@tapr.org
> Cc: dfroula@interaccess.com
> Subject: MacAPRS 3.0 Bugs
> Message-ID: <199705161719.MAA15667@psycfrnd.interaccess.com>
>
> I noticed the following two bugs with the MacAPRS version 3.0:
>
>         1.) Autoscrolling or moving map mode does not work when using
>                 a GPS as input.  This works fine with 2.8.
>
>         2.) The "Position Report Settings" window locks up the program when
>                 it is displayed.  There is no way to dismiss the window
>                 or quit Mac APRS, except a reboot or by forcing a quit with
>                 the "CMD + Opt + Esc" sequence.
>
> Regards,
>
> Don Froula
> WD9DMP
--
Ron W5RKN

also:
rparsons@bga.com

## 551. Re: Help: Motorola MTX8000

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 May 1997 14:24:16 -0700
To: n2czf@magg.net, aprssig@tapr.org
Message-ID: <3.0.32.19970518142413.006a39e8@mailhost.primenet.com>
Rendered body type: text/plain

At 10:26 AM 5/18/97 +0000, Rich Garcia wrote:
>
>GO with the UHF system!

That's what I tried to tell 'em...  We do have access to several radios
(still operating under contract) that are mobile units (not being used - as
all the drivers are issued an MTX8000).  We may go with them instead.  I
will recommend that to them today.

>#2 How are you going to take hold of the TX PTT, hold the data back,
>then send the data when you get hold of the trunking channel ?

That was my next question.  I wanted to use standard HAM versions of TNC's,
either Kantronics or PacComms to keep the cost down, but I knew that might
be a problem on Trunked radios.  I have seen a few commercial TNC's that
are designed for trunked systems in the past, and was going to look into
that next.

>
>#3 Where are you located ? You do understand that Analog Trunking
>will probably be history in the next two years ? Depending on where
>in the country you are in. I am currectly in the process of telling
>customers that the radios that they are leasing and paying for are
>going to be shut down in less than one year here. Some of them will

>be paying for radios that no longer work! Sucks but that is NEXTEL!

Yup.  We are in Metro Phoenix (AZ) and it is my understanding that most trunked leased systems will be going digital by this coming September, including the company they are using.  I told them to hold off until then, but they don't want to wait (they are losing money to dawdling drivers). If the new system is Digistar compatable then those radios will have built-in capability for AVL.

Phoenix PD and Fire are supposed to go to APCO 25 (Astro digital) now, but I understand that the system is plagued by many gremlins.  I can't see a digital system working well on a commercial basis, if they can't make it work on a public service basis.  I'm told that LA County has spent Tens of millions of dollars trying to get their Astro system up and running (for 3 years now) but are still using analog voice...

73,

And thanks for the input,

Mark
KC7BXS

## 552. IMPORTANT ANNOUNCEMENT!!!

From: Stan Horzepa <stanzepa@mail2.nai.net>
Date: Sun, 18 May 1997 17:59:03 -0400 (EDT)
To: APRS_sig <aprssig@tapr.org>
Message-ID: <199705182159.RAA21921@mail2.nai.net>
Rendered body type: text/plain

Hello APRSSIG-folk,

Effective today, the honorable Keith Sproul, WU2Z, has retired as the chairperson of the APRSSIG. I have taken his place.

In light of this change, I feel that a few rules need to be mentioned in order to assure the continued smooth operation of the APRSSIG. Here they are, short and sweet:

The APRSSIG Rules

1)  Stick to the subject (APRS). That means no virus alerts, no chocolate chip cookie recipes, no surplus gear fire sales, no nothing that isn't directly related to APRS.

2)  No abusive behavior demonstrated towards a list member will be tolerated on the APRSSIG. Please take your flames elsewhere.

3)  I reserve the right to unsubscribe any list member who violates these rules without warning. That means one strike and you're out of here.

Finally, if you wish to unsubscribe from APRSSIG, send a message to listserv@tapr.org containing only the following line in the body of the message: unsubscribe APRSSIG

Have fun!

Stan Horzepa, WA1LOU, stanzepa@ct2.nai.net

## 553. Re: Help: Motorola MTX8000

From: Wes Johnston <kd4rdb@usa.net>
Date: Sun, 18 May 1997 18:39:36 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970518183807.00698628@coca.net>
Rendered body type: text/plain

At 04:37 PM 5/18/97 -0500, you wrote:
>That was my next question.  I wanted to use standard HAM versions of TNC's,
>either Kantronics or PacComms to keep the cost down, but I knew that might
>be a problem on Trunked radios.  I have seen a few commercial TNC's that
>are designed for trunked systems in the past, and was going to look into
>that next.
>

Maybe this is where I show my  ignorance.... but a trunked system just needs a longer TXDELAY, right?  While all the freq assignments and such are taking place, the tnc may as well be TXdelaying, right?

73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 554. Thanks!!!!

From: Jay <jaykq4ms@ipass.net>
Date: Sun, 18 May 1997 20:47:56 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970518204756.00690188@mail.ipass.net>
Rendered body type: text/plain

To all who responded to my request for help with my KPC-3Plus and Garmin
GPS45XL, and especially N4WYK, I just want to say "THANKS". I finally found
the problem to be in the data cable from the gps to the TNC. KQ4MS-14 is
alive and well on 145.79 in Raleigh NC and Wake County.
 Thanks again for ALL the help!!!

Jay Netterville
KQ4MS
Raleigh, NC
35.49.42N/078.35.37W

## 555. Dayton 97 as seen by APRSa4

From: Barry Rimmer <brimmer@sprynet.com>
Date: Sun, 18 May 1997 20:39:43 -0400
To: aprssig <aprssig@tapr.org>
Cc: Brent Hildebrand <bhildebrand@worldnet.att.net>
Message-ID: <337FA14F.71093312@sprynet.com>
Rendered body type: text/plain

Hi
I used APRSa4 while at Dayton (worked great!) and captured some of the
activity.  The maps can be seen linked from my homepage at:

http://www.qsl.net/kg2lb

Some of them are detailed, so you may have a short wait, but the detail
is incredible, to say nothing of the amount of APRS activity.  And this
was Thursday night, certainly before most people arrived!

--
Barry, KG2LB

## 556. Re: [APRSSIG:12681] Dayton 97 as seen by APRSa4

From: William Nolle <wa8inz@mindspring.com>
Date: Sun, 18 May 1997 20:27:50 -0500
To: aprssig@tapr.org
Message-ID: <337FAC96.4C12@mindspring.com>
Rendered body type: text/plain

Barry Rimmer wrote:
>
> Hi
> I used APRSa4 while at Dayton (worked great!) and captured some of the
> activity.  The maps can be seen linked from my homepage at:
>
> http://www.qsl.net/kg2lb
>
> Some of them are detailed, so you may have a short wait, but the detail
> is incredible, to say nothing of the amount of APRS activity.  And this
> was Thursday night, certainly before most people arrived!
>
> --
> Barry, KG2LB

Barry that's amazing specially being Friday. Can't wait for Brent to
carry this software further, i think this is where APRS is heading,
great to have those detailed maps. Looks Great Barry.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 557. TX hold off circuit for mobile trackers

From: Wes Johnston <kd4rdb@usa.net>
Date: Sun, 18 May 1997 22:23:34 -0400
To: thomasr@ten-nash.ten.k12.tn.us, aprssig@tapr.org
Message-ID: <3.0.32.19970518222059.006e9a60@coca.net>
Rendered body type: text/plain

Well, the schematic is finished, and posted to the web:

http://www.coca.net/people/kd4rdb/txhold.jpg

Hope this is usefull for everyone!
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 558. Re: [APRSSIG:12675] 2.0 Bugs

From: thomasr@ten-nash.ten.k12.tn.us
Date: Sun, 18 May 1997 21:36:49 -0600 (CST)
To: "Michael A. Kantor" <kd4emi@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970518212247.539211661C-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

had the same problem when trying to load the SAM cd callbook as michael
did in the following #7. the computer here is a 386 dx40 with 8 megs of
memory. when i got the "out of memory" message, it would leave the map
screen blank, then it wouldn't let me reload the maps. this was my 1st try
at waprs200. very neat! bob thomas, ks4ng

On Sun, 18 May 1997, Michael A. Kantor wrote:

> Although I like some of the changes here is a bug list.
>
> #1 The TNC settings seem messed up. When I send a msg to VHF ONLY or HF
> only it isnt working right. Will only send to HF, even though I have the
> correct
> Stream charactors.  (KAM +)
>
> #2 The TNC comes up differently, never stays on the selected choice.
>
> #3 No mail icon when a new msg appears (nor does it say new mail)
>
> #4 replay works, but just different (not a bug)
>
> #5 how come there is never any rain from any of the stations in South FL.
>       (South FL users look and see,  none of our stations report rain ?)
>
> #6 posit time starts on 1 min, but does stay on what you set it.
>
> #7 Out of memory error sometimes when unloading and changing maps
> but only one map being viewed at one time.
> (Lots of memory and no TSR running)
>
> Is anyone else having these problems ?
>
> Mike
> KD4EMI@JUNO.COM
>
>

## 559. Re: [APRSSIG:12665] New APRSer

From: Patrick Cook <patcook@dimensional.com>
Date: Sun, 18 May 1997 21:27:20 -0600 (MDT)
To: David Dunster <riders@sk.sympatico.ca>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970518211845.9365B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sat, 17 May 1997, David Dunster wrote:

> Hello All
>
>       Just got into APRS here in Regina thanks to a fellow
>       ham.

First, welcome to the group!!  :-)  I just got into the APRS "craze" with
the inspiration (and soon to be HELP) of a couple local club members who

put on a rather impressive presentation on APRS at a recent club meeting. :-)

> 1. I'm running APRS 7.91 on a 386sx laptop with no problems
> however when I attempt to run it on an NEC 9619 the EGA
> mode trashes all text written on the screen. Switching
> to VGA mode is perfect. Any thoughts on how to correct
> this? Running DOS mode only, no windows present.

Why not just take the KISS approach by just leaving the NEC 9619 in VGA mode??? Unless there's something wrong in doing that. In other words, if the machine works fine in this mode, WHY CHANGE IT????

> Thanks in advance for any assistance you can give.

Absolutely no problem at all!! I may not be on the air (and I'm certainly not in any position to offer advice), but I've found that the dumbest question is the one that's NEVER asked. And that's what this SIG is all about.... :-)

Once again WELCOME to the group!!! :-)

73's for now my friends!! :-)

Patrick Cook, KB0OXD
patcook@dimensional.com
Denver, Colorado USA (DM79)

## 560. Re: [APRSSIG:12666]

From: Patrick Cook <patcook@dimensional.com>
Date: Sun, 18 May 1997 21:33:06 -0600 (MDT)
To: SCOTT HAYDEN <KB7RSV@KB7RSV.ampr.org>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970518213214.9365C-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sat, 17 May 1997, SCOTT HAYDEN wrote:

> help?

What do you need help with, Scott????

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado

## 561. Re: [APRSSIG:12669] WinAPRS still crashes on SelQ's

From: Patrick Cook <patcook@dimensional.com>
Date: Sun, 18 May 1997 21:40:35 -0600 (MDT)
To: Jeff Brenton <jeffb@stans.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970518213456.9365D-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sat, 17 May 1997, Jeff Brenton wrote:

> I've included the SIG in this to try and get people to STOP doing
> Selective Queries of the entire world...

Alright, now *I'm* TOTALLY LOST here!!! First off, exactly what are "Selective Queries"??? Are they callbook lookups??? And secondly...

> WinAPRS 2.0 still crashes when a Selective Query of 4096 or more comes
> in, and the map is zoomed in on a 120-mile or so range. It's mainly been
> HF stations doing the damage; why they can't just do a standard query
> when looking at ranges beyond 128 miles is probably beyond me... guess
> it's because they don't THINK about it!

What sort of impact does this have on the network if someone running HF APRS were to run a "Selective Query"????

Curiously yours (as always... :))

Patrick Cook, KB0OXD
patcook@dimensional.com
Denver, Colorado

P.S.: If you can post your answer to the SIG list, I believe it would be of TREMENDOUS interest to those who are eh...."Novice APRSers" :-)

## 562. Re: Help: Motorola MTX8000

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 May 1997 20:47:47 -0700
To: kd4rdb@usa.net, aprssig@tapr.org
Message-ID: <3.0.32.19970518204742.006a56d8@mailhost.primenet.com>
Rendered body type: text/plain

At 05:44 PM 5/18/97 -0500, Wes Johnston wrote:
>At 04:37 PM 5/18/97 -0500, you wrote:
>
>Maybe this is where I show my  ignorance.... but a trunked system just
>needs a longer TXDELAY, right?  While all the freq assignments and such are
>taking place, the tnc may as well be TXdelaying, right?
>
>

Well, there is a little more to it than that.  It is my understanding though, that the Motorola MTX8000 makes all the data one needs to control a TNC available on the 15 pin accessory (speaker/mic) port.

And the whole situation has changed, as we have decided not to use a trunked system for this.

A)  It is not cost effective.  Trunked radios are expensive beasts and the cost of the accessory port interface, battery eliminator, and remote antenna mount could (Heck! will) run well in excess of a UHF Tekk data radio.  And this doesn't include the HT itself!

B)  Many leased Trunked systems are going digital before the end of 1997 here in Phoenix.  It is silly to invest so much time and $$ into a system that will be obsolete in September.

They have several UHF radios in older vehicles that still work.  I'm going to have a couple delivered and see how easy it will be to interface them to TNC's.  I would still like to go with Tekk or Motorola data only UHF radios though, but am unsure if Tekk radios can be made to work with a leased repeater.  I used to have a nice Tekk brochure, but can't seem to find it. And not much info on their products is to be had on the internet, at least not anything I could find.  As an aside, I know Tekk markets a few pagers, but again I can't find any particulars on them.  Inexpensive alphnumeric pagers are the key to making an APRS/POCSAG pager net (via KPC-9612) work. I was hoping to be able to get a group purchase of Amateur Frequency crystalled alpha pagers together.

The reason I want to go with small data only radios is so that I can seal the TNC/Transceiver in a small aluminum case which will prevent tampering with the system.  Their drivers are not going to be happy about the boss woman being able to see where they are...

73,

Mark
KC7BXS

## 563. DGPS/DCI/Cadet

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Sun, 18 May 1997 21:03:27 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970518210322.006a56d8@mailhost.primenet.com>
Rendered body type: text/plain

Speaking of pagers, I know DCI is marketing a PAGER DGPS service around the country.

It is my understanding that this system is transmitted in the RDS format on commercial FM radio stations and here in Phoenix it is on 88.3 Mhz FM (a Christian Station I think).

Anyway, Is anyone on the SIG using this system?  How good is it?

That leads me to my next question.

ADS is now selling a plug-in radio card, The Cadet, that advertises it can decode RDS broadcast signals.  Has anyone used/bought one?  Could it be set up to decode these RDS signals from DCI?  Has anyone tried that?

And before any armchair internet lawyers answer:  It is just a question. Please let us deal with intellectual pursuits.  I an not condoning stealing a service here.  I just want to know the capabilities of the

hardware.

Also ADS has stated that an RDS decoding chip will soon be made available
for under $5.00 in lots of 1000 or more.  Is RDS only applicable to
wide-band FM (SCA) broadcasts, or could it be integrated into amateur
radio, too.

73,

Mark
KC7BXS

## 564. Re: [APRSSIG:12665] New APRSer

From: Ciemon GI0TRT <ciemon.d@virgin.net>
Date: Mon, 19 May 1997 05:22:40 +0100
To: aprssig@tapr.org
Message-ID: <337FD590.4404@virgin.net>
Rendered body type: text/plain

Hello all,

Just saw this:

>       I'm running APRS7.91 on a 386 laptop with no problems however > when I attempt tp rum it on an NEC 9619 the EGA mode trashes all >      text written on the screen. Switching to VGA mode is perfect. >  Any thoughts on how to correct this? Running DOS mode only, no >        windows present.

Well this brings back memories! When I first started using APRS I had
this problem and it took about 2 months of packet messages to the US and
GBR when someone suggested that I rem out the mode con prepare lines in
my autoexec.bat. It works! Give it a go Dave, it sounds like the problem
I had.

73....Ciemon

## 565. Re: [APRSSIG:12669] WinAPRS still crashes on SelQ's

From: Jeff Brenton <jeffb@stans.com>
Date: Sun, 18 May 1997 23:30:47 -0500
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <337FD777.563B@stans.com>
Rendered body type: text/plain

>>what are selective queries?

In APRS/DOS, hit o (for Ops menu) q (for query), and you can send out a
selective query. In Win/MacAPRS, you click on a location, and drag a
circle to encompass the area to query.

What they are are requests for stations in specific areas to reply. When
APRS starts up, it sends a "general query" (?APRS?), for all stations
that hear it to announce themselves. There are also "weather queries"
(?WX?) for weather stations to answer, and "selective queries", where
you see either a request for a particular station to answer, or a
lat/long pair and a radius in miles.

Now, there are HF stations out there sending selective queries for the
center of the U.S. and a radius of 4096 miles.... which crashes WinAPRS.

What impact does it have on the network? Well, if it crashes all the
stations running WinAPRS, it will reduce the amount of traffic in a
hurry! B-(

## 566. Re: [APRSSIG:12677] Re: Help: Motorola MTX8000

From: Patrick Cook <patcook@dimensional.com>
Date: Sun, 18 May 1997 22:40:06 -0600 (MDT)
To: Mark Fellhauer <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970518223445.9365G-100000@nova.dimensional.com>
Rendered body type: text/plain

On Sun, 18 May 1997, Mark Fellhauer wrote:

> Phoenix PD and Fire are supposed to go to APCO 25 (Astro digital) now, but
> I understand that the system is plagued by many gremlins.  I can't see a
> digital system working well on a commercial basis, if they can't make it
> work on a public service basis.  I'm told that LA County has spent Tens of
> millions of dollars trying to get their Astro system up and running (for 3
> years now) but are still using analog voice...

Just strictly FWIW, here in Denver, the local mass transit company (RTD - Regional Transportation District) uses BOTH digital GPS (???) AND voice communications to keep track of buses and pass other traffic.  Dunno the system name, but it appears as though the communications system they are using now works like a charm to them (at least *I* haven't noticed any equipment changes).

But then too, what do *I* know???  All I am is a paying customer/passenger...

> 73,

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado USA (DM79)

## 567. Re: TX hold off circuit for mobile trackers

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 19 May 1997 00:56:08 -0400
To: jeffb@stans.com, aprssig@tapr.org
Message-ID: <3.0.32.19970519005434.006e9510@coca.net>
Rendered body type: text/plain

At 11:33 PM 5/18/97 -0500, you wrote:
>Should't Q2 be listed as a 2N2222 (it's 2N222 in the schematic)?

Thanks Jeff, I sure missed it.... yes, q2 is a generic NPN transistor 2n2222
It's been corrected now.  Anyone on the sig got an idea for a name... tx hold off is sorta awkward!  (ie NOT nifty like MIC-E)
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 568. Re: [APRSSIG:12669] WinAPRS still crashes on SelQ's

From: Patrick Cook <patcook@dimensional.com>
Date: Sun, 18 May 1997 22:57:40 -0600 (MDT)
To: Jeff Brenton <jeffb@stans.com>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <Pine.SUN.3.96.970518225315.9365I-100000@nova.dimensional.com>
Rendered body type: text/plain

Hi Jeff:

Thanks for the explanation, Jeff!!  :-)  I can see where it would pose a problem because HF stations are only sending data at a baud rate of 300 bps., which could in turn, as I understand it anyway, bog down the whole network in an instant because those stations using WinAPRS (which I'll be using) will simply crash and burn in the digital sense.  :(

73's for now my friends!!  :-)

Patrick, KB0OXD
patcook@dimensional.com
Denver, Colorado USA (DM79)

## 569. Re: [APRSSIG:12671] Re: APRSSIG digest 1022

From: Byron Smith <wa6ylb@theworks.com>
Date: Sun, 18 May 1997 21:18:07 -0800
To: N1IIC@aol.com
Cc: aprssig@tapr.org
Message-ID: <3.0.1.16.19970518211807.096f75a4@theworks.com>
Rendered body type: text/plain

Oh good. So I wasnt crazy after all. I have seen this problem for quite some time.(before version 79x)  So far what I have found is there is a few characters in the tnc buffer, and it appears that the tnc made it from CONV mode into CMD mode, but thats about it. I typically check the the TNC input buffer to find out if there is a pattern of the lockup.  I do this by unplugging  the TNC from the computer, and reset the computer. The reset is needed as no commands or keystrokes to APRS will do anything. Then I run procomm plus (or any simple terminal program - not PAKET though (it tries to initialize the tnc). Then when all baud rates/ports are correct, I invoke a "save all received data to disk capture" function (incase I want to send to someone what the tnc had in its buffer) and then with the RS232 cable reconnected, I send a CONTROL R to the tnc.  This makes the tnc

redisplay whats in the "TNC input buffer". Most of the time i find a couple characters of a valid tnc command function like UN <space> or some simular thing. Ive changed just about everything (three different TNC's) in the computer and will be swapping the entire computer tomorrow.  I also run a homebrew UII wx stn, that I built. But I get the lock ups even w/o the wx stn. I have also noticed the locksups occur more often when the packet activity is heavy. When the local digi died in the winter time, and we were w/o a path to the north, I never got a lockup for weeks. when it came back on line, I would get a intermittent lockup from just an hour to several days.  I never found any specific thing that would cause this. But rest assured, I'm still looking to resolve this one.
 Please let me know your configuration, and if you can capture the data, let me know what was in your tnc buffer. It would be nice to see if your buffer data is the same as I see.

At 01:37 AM 5/18/97 -0500, you wrote:
>I have noticed that 791 locks up sometimes when "Sending to TNC". It doesn't
>do it all the time, and I have not noticed at what particular point it does
>it...
>
>de Jason N1IIC
>
>

Byron Smith
wa6ylb@theworks.com
wa6ylb@wa6ylb.#cca.ca.usa.noam

... Do radioactive cats have 18 half-lives?

## 570. << *.TNC PROBLEM >>

From: iw3gpo@ham.shineline.it
Date: Mon, 19 May 1997 09:11:23 utc
To: aprssig@tapr.org
Message-ID: <39752@ham.shineline.it>
Rendered body type: text/plain

Hi ! I'm Paolo, IW3GPO from JN65DN - Mogliano Veneto (TV) - Nord Italy.

My problem is :
....how I can load, in real time, on a remote web site,
the file *.TNC of a Java APRS application ???

.. There's some automatic ftp routines  ????

.. Can I use some TELNET applications  ???

..every help is aprecied !

..If you help, this week , I open a new web site on geocities
with a APRS java system on Treviso and Venice province .

73's de Paolo, IW3GPO

p.s.
replay to iw3gpo@ham.shineline.it

## 571. Re: [APRSSIG:12689] DGPS/DCI/Cadet

From: rwf <rwf@mindspring.com>
Date: Mon, 19 May 1997 09:09:52 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970519090740.00a7a640@ccegate.cokecce.com>
Rendered body type: text/plain

At 11:07 PM 5/18/97 -0500, you wrote:
>
>Anyway, Is anyone on the SIG using this system?  How good is it?

Yes I am.
It works very well as long as you can receive the FM station.

>
>ADS is now selling a plug-in radio card, The Cadet, that advertises it can
>decode RDS broadcast signals.  Has anyone used/bought one?  Could it be set
>up to decode these RDS signals from DCI?  Has anyone tried that?

I don't know, but the DCI is an addressable receiver.  DCI controls your parameters and authorizes reception (similar to addressable cable).  And even though you said you knew this, I will reiterate it for other folk's benefit.  You must pay for your subscription and use the receiver they specify or provide, unless something has changed.

BTW- the head guy from DCI monitors this SIG. I introduced him to APRS.

Ralph

## 572. APRS Dayton Comments

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 19 May 1997 10:00:12 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970519091950.13792A-100000@arctic>
Rendered body type: text/plain

Just got back.  250 Emails to start reading.  Here are some initial comments and ideas while driving home for 8 hours.

* APRS Excitement was high!  APRS Pizza was an excellent idea exchange. THanks to Bob Mahoney WB8CXN and Sid and other for their hospitality!

* We need a volunteer on the Mic-E sig to be the keeper and collector of a FAQ and OPERATING TIPS file.

* With the Mic-E we have now combined APRS tracking with Voice.  I think that it is imperative that we search ALL UHF band plans for a common APRS SIMPLEX VOICE CHANNEL.  We used 445.925 in and around Dayton and it was great.  I Know this is  a simplex channel in the ARRL band plan, but not in some areas.  Can those of you in the areas where that is NOT identified as a voice simplex channel, please find a voice simplex channel that IS in common with an ARRL voice simplex channel.  If there is such a possibility, then lets settle it now.   This is not a request for coordination.  Just like 446.000 is the UHF Voice calling channel, we need to informally agree as users on an APRS UHF Voice calling channel so at least we have a starting point.

* ARRL introduced a computer maping system for voice repeaters.  At first I thought... WOW.  But unless I missed something, we can do far better in APRS.  It displays typical state highway maps and when you click on a location, it will give you a "list" of repeaters in that area...  I asked will it show me where they are, what their coverage is?  And the answer was no.  It had great maps, but hey, I can get a LIST of repeaters from my shirt pocket repeater guide!

   As I have been saying for years, we need to be building .POS files of voice repeaters.  APRS will not only put them on the map, but also show a first approximation of their coverage if the PHG is entered correctly. Once you put a Mic-E TNC at each repeater, then they will AUTOMATICALLY show up on APRS maps too.  If you use a PacComm TNC, then the TNC will respond to an APRS Query and so the lonely driver through strange territority simply sends an APRS query and all voice repeaters within range will respond and pop up on his map!

These thoughts were driven by an 8 hour drive through East Ohio, WV, West PA and western Maryland (where there is 0 APRS).  From the moment I left Dayton at 2 PM on Sunday, until I arrived Home, constantly dialing the band for a QSO or repeater I was lucky to find anyone.  I never did raise anyone even on 52.  AND many of the repeaters I could hear had PL, and never announced the PL.  If they had been beaconing an APRS Posit on the APRS frequency, then I would have Known where they were, and What was their PL just by clicking on them...

See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 573. Re: re: TX hold off circuit

From: Mike Musick <71301.3106@CompuServe.COM>
Date: 19 May 97 10:20:28 EDT
To: <aprssig@tapr.org>
Message-ID: <970519142027_71301.3106_FHJ61-1@CompuServe.COM>
Rendered body type: text/plain

Wes writes:

>A circuit ...TX interval is changed to 1/10th its original time.

Accomplishes the job with aplomb and is positively elegant in its simplicity.
Since I have the same need I'll follow this great lead; it may even be possible
to eliminate the relay.

Good job, Wes!

  ...mike/N0QBF
     71301.3106@compuserve.com

## 574. Re: [APRSSIG:12679] APRSSIG digest 1023

From: "Bill Frovik" <n0mnb@minn.net>
Date: Sun, 18 May 1997 22:45:46 -0500
To: <aprssig@tapr.org>
Message-ID: <199705191428.JAA02202@t-rex.minn.net>
Rendered body type: text/plain

need info for shorting coils for repeater or where to get them for uhf
repeater
thanks
n0mnb@minn.net


---
> From: aprssig@tapr.org
> To: aprssig@tapr.org
> Subject: [APRSSIG:12679] APRSSIG digest 1023
> Date: Sunday, May 18, 1997 7:23 PM
>
>                           APRSSIG Digest 1023
>
> Topics covered in this issue include:
>
>   1)
>       by KB7RSV@KB7RSV.ampr.org (SCOTT HAYDEN)
>   2) APRS792/NEWNOTES.TXT(excerpt)
>       by Cap Pennell <cap@cruzio.com>
>   3) TX hold off circuit for mobile trackers
>       by Wes Johnston <kd4rdb@usa.net>
>   4) WinAPRS still crashes on SelQ's
>       by Jeff Brenton <jeffb@stans.com>
>   5) Validation #
>       by "Jim Crume" <Jcrume@msn.com>
>   6) Re: APRSSIG digest 1022
>       by N1IIC@aol.com
>   7) Help:  Motorola MTX8000
>       by Mark Fellhauer <sparkfel@primenet.com>
>   8) APRS791 anomaly
>       by Pat Bunsold <pbunsol@cati.csufresno.edu>
>   9) Motorola "Micor"
>       by ad4cr@juno.com (James E Odom)
>  10) 2.0 Bugs
>       by kd4emi@juno.com (Michael A. Kantor)
>  11) Re: MacAPRS 3.0 Bugs
>       by "Ronald G. Parsons" <w5rkn@amsat.org>
>  12) Re:  Help:  Motorola MTX8000
>       by Mark Fellhauer <sparkfel@primenet.com>
>  13) IMPORTANT ANNOUNCEMENT!!!
>       by Stan Horzepa <stanzepa@mail2.nai.net>
>  14) Re:  Help:  Motorola MTX8000
>       by Wes Johnston <kd4rdb@usa.net>
>
> ----------------------------------------------------------------------
>
> Date: Sat, 17 May 97 17:28:44 PST
> From: KB7RSV@KB7RSV.ampr.org (SCOTT HAYDEN)
> To: aprssig@tapr.org
> Message-ID: <4479@KB7RSV.ampr.org>
>
> help?
>
>
> ------------------------------
>
> Date: Sat, 17 May 1997 17:11:00 -0700
> From: Cap Pennell <cap@cruzio.com>
> To: aprssig@tapr.org
> Subject: APRS792/NEWNOTES.TXT(excerpt)
> Message-ID: <3.0.1.32.19970517171100.006a8388@mail.cruzio.com>
>

> Saw on the Dayton JavAPRS page that Bob WB4APR had APRS792 running in his
> booth.  Found APRS792 at
> ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/APRSdos/
>
> The following is quoted from \README\NEWNOTES.TXT in APRS792.ZIP
>
> APRS792:  Dayton 97 release
> * DX cluster spots were not showing with the purple circle.  Fixed
> * Re-arranged MAPS-OVERLAYS command for more possibilities...
> * Changed MAPS-GO to MAPS-HOME since "H" was now availalbe
>
> 73, Cap KE6AFE
> --
> Cap Pennell
> Santa Cruz, CA 95062-1002       3658.92N/12200.88W
> e mailto:cap@cruzio.com   home page: http://members.cruzio.com/~cap
> packet radio: KE6AFE @kg6ee.#cca.ca.usa.noam
>
>
> ------------------------------
>
> Date: Sat, 17 May 1997 21:13:21 -0400
> From: Wes Johnston <kd4rdb@usa.net>
> To: aprssig@tapr.org
> Subject: TX hold off circuit for mobile trackers
> Message-ID: <3.0.32.19970517210209.0068a5cc@coca.net>
>
> I got it fellows!!  Just finished today.  A circuit that lets the TNC tx
> your position one more time after you shut off your car.  That lets us
run
> dead reckoning!!  The circuit plugs in series with the TNC -> Radio
cable,
> and inturrupts the PTT line.  Power is provided from the radio port on
the
> TNC (kpc 3 pin 7).  TX interval is changed to 1/10th its original time.
So
> if your tracker is set to TX your position every minute, when your car is
> shut off, it will TX once more on the minute, and then every 10 minutes
> there after.  All the parts came from radio shack so that everyone can
have
> a fair chance to build one.  The circuit uses a 4017 decade counter, and
> the PTT advances the clock input every time the TNC tries to transmit.  A
> switched 12 volt line keeps the RESET high when the car is operating,
there
> by keeping Q0 high during normal operation.  Q0 is hooked to a
transistor,
> which in turn is hooked to a reed relay.  The reed relay completes the
PTT
> circuit to the radio. As soon as 12v is switched off, and the RESET is at
> 0V, the next PTT interval advances the clock one time, switching off Q0
and
> the reed relay.  9 PTT intervals later, we are back at Q0 being high, and
> the reed relay allows PTT to get to the radio once again.  I did include
a
> bypass switch for normal operation when car is switched off.  Total cost
> including an enclosure was about $15.
>
> If anyone is interested, I'll provide a schematic, if not, I'll save
> bandwidth on the SIG.
> 73's de Wes
> Email: mailto:kd4rdb@usa.net
> WEB:   http://www.coca.net./people/kd4rdb/
>
> Want to learn how to track cars and events on ham radio?
> click here-> http://www.coca.net./people/kd4rdb/aprs.htm
>
>
> ------------------------------
>
> Date: Sat, 17 May 1997 21:35:10 -0500
> From: Jeff Brenton <jeffb@stans.com>
> To: Mark Sproul <sproul@ap.org>
> Subject: WinAPRS still crashes on SelQ's
> Message-ID: <337E6ADE.35E9@stans.com>
>
> I've included the SIG in this to try and get people to STOP doing
> Selective Queries of the entire world...
>
> WinAPRS 2.0 still crashes when a Selective Query of 4096 or more comes

> in, and the map is zoomed in on a 120-mile or so range. It's mainly been
> HF stations doing the damage; why they can't just do a standard query
> when looking at ranges beyond 128 miles is probably beyond me... guess
> it's because they don't THINK about it!
>
> It might crash on shorter-range SelQ's, but it's always been an HF
> station asking for a 4096 mile radius when it crashes here...
>
>
> ------------------------------
>
> Date: Sun, 18 May 97 04:18:53 UT
> From: "Jim Crume" <Jcrume@msn.com>
> To: aprssig@tapr.org
> Subject: Validation #
> Message-ID: <UPMAIL13.19970518042641006 3@msn.com>
>
> Attn: Bob WB4APR
>
> From: Jim KC7GHS
>
> About a month ago I sent you a ckeck for $38.00 on my S.W.A.T. account
for a
> validation # for the APRS version 7.8.5 software.  As of the date of this

> email the check has not came through the bank.  The phone number on the
check
> has been changed to 946-6864 which is on a fax/modem.  You can call my
home
> phone 602-947-7105 or work phone 602-892-3313 if you have any questions.
The
> easiest way to get hold of me is through Email.
>
> Jcrume@msn.com
>
> If the check has become lost or stolen I can re-issue a new one.
>
> Let me know if you have received it.
>
> Thanks....Jim
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 02:33:52 -0400 (EDT)
> From: N1IIC@aol.com
> To: aprssig@tapr.org
> Subject: Re: APRSSIG digest 1022
> Message-ID: <970518023352_-29241624@emout01.mail.aol.com>
>
> I have noticed that 791 locks up sometimes when "Sending to TNC". It
doesn't
> do it all the time, and I have not noticed at what particular point it
does
> it...
>
> de Jason N1IIC
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 02:28:19 -0700
> From: Mark Fellhauer <sparkfel@primenet.com>
> To: aprssig@tapr.org
> Subject: Help:  Motorola MTX8000
> Message-ID: <3.0.32.19970518022815.006a08ac@mailhost.primenet.com>
>
>
>
> Help.  I'm starting work on the commercial APRS system I've been asked to
> setup and I've run into a few problems.
>
> The radios they want me to use are Motorola MTX8000 Trunked 800 MHz units
> and they have a 15 pin accessory connector instead of the usual
> earphone/mic jack found on most HT's.  Can anyone supply a pinout for
these?
>
> Also, can anyone steer me to to a inexpensive supply of used MTX8000
> speaker mic's or just the accessory cable w/o the microphone?  New ones

are
> $83.00 from Motorola.  Ouch!
>
> Also, I'm looking for battery eliminators for the same HT's.  New from
> Motorola is $75.  Double ouch!
>
> C'mon, I know we have Motorola people on the SIG...
>
> At that point we're getting to the area where we could go with a UHF
> repeater vendor and use TEKK data radios...
>
> 73,
>
> Mark
> KC7BXS
> sparkfel@primenet.com
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 08:20:54 -0700
> From: Pat Bunsold <pbunsol@cati.csufresno.edu>
> To: aprssig@tapr.org
> Subject: APRS791 anomaly
> Message-ID: <199705181520.IAA23186@CATI.CSUFresno.EDU>
>
>
> This is not a complaint or a bug notification, but a query to see if
anyone
> else has noticed a change in the way mobile trackers are shown on the
screen.
> I have been running 77E and all previous versions and they worked great.
> With 791, I find that my mobile will not show a track if I drive over the
> same road
> It will display only dark grey tracks with no callsigns.  If I make a
trip to
> the store, the outbound trip shows up, but the incoming trip erases the
callsigns and my -9 will not show up as parked at the house.  This may have
something to do with the APRS QRT mode, but I do not use a laptop in the
mobile.  Isearched
> the DOCs and cannot find any reference to why this may occur.  I have
gone back
> to APRS77E so I can see the tracks.  Anyone else notice this strange
occurrances?   73, Pat WA6MHZ
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 11:46:10 -0400
> From: ad4cr@juno.com (James E Odom)
> To: aprssig@tapr.org
> Subject: Motorola "Micor"
> Message-ID: <19970518.114613.3398.0.AD4CR@juno.com>
>
> Hi to all on the sig,  Hope you got all you needed at Dayton this year.
> Does anybody in sig land have the mod to make a Micor in to a Repeater?
> Its the mod by Jim Reese. Has anyone done this mod if so i need to ask
> some questions about it.  Please e-mail off the sig and at
> ad4cr@juno.com   thanks in advance,   jimO
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 13:44:19 -0400
> From: kd4emi@juno.com (Michael A. Kantor)
> To: ksproul@hardees.rutgers.edu, sproul@ap.org
> Cc: aprssig@tapr.org
> Subject: 2.0 Bugs
> Message-ID: <19970518.134419.5014.0.KD4EMI@juno.com>
>
> Although I like some of the changes here is a bug list.
>
> #1 The TNC settings seem messed up. When I send a msg to VHF ONLY or HF
> only it isnt working right. Will only send to HF, even though I have the
> correct
> Stream charactors.  (KAM +)
>
> #2 The TNC comes up differently, never stays on the selected choice.
>

> #3 No mail icon when a new msg appears (nor does it say new mail)
>
> #4 replay works, but just different (not a bug)
>
> #5 how come there is never any rain from any of the stations in South FL.
>       (South FL users look and see,  none of our stations report rain ?)
>
> #6 posit time starts on 1 min, but does stay on what you set it.
>
> #7 Out of memory error sometimes when unloading and changing maps
> but only one map being viewed at one time.
> (Lots of memory and no TSR running)
>
> Is anyone else having these problems ?
>
> Mike
> KD4EMI@JUNO.COM
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 21:09:34 +0000
> From: "Ronald G. Parsons" <w5rkn@amsat.org>
> To: aprssig@tapr.org
> Subject: Re: MacAPRS 3.0 Bugs
> Message-ID: <337F700E.3922@amsat.org>
>
> I observe problem 1 below but not problem 2. Running on a PowerBook 5300
> with a PicoPacket with a GPS 20 on the Pico's second serial port.
>
>
> Donald R Froula wrote:
> >
> > Date: Fri, 16 May 1997 12:19:31 -0500 (CDT)
> > From: Donald R Froula <dfroula@interaccess.com>
> > To: aprssig@tapr.org
> > Cc: dfroula@interaccess.com
> > Subject: MacAPRS 3.0 Bugs
> > Message-ID: <199705161719.MAA15667@psycfrnd.interaccess.com>
> >
> > I noticed the following two bugs with the MacAPRS version 3.0:
> >
> >         1.) Autoscrolling or moving map mode does not work when using
> >                 a GPS as input.  This works fine with 2.8.
> >
> >         2.) The "Position Report Settings" window locks up the program
when
> >                 it is displayed.  There is no way to dismiss the window
> >                 or quit Mac APRS, except a reboot or by forcing a quit
with
> >                 the "CMD + Opt + Esc" sequence.
> >
> > Regards,
> >
> > Don Froula
> > WD9DMP
> --
> Ron W5RKN
>
> also:
> rparsons@bga.com
>
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 14:24:16 -0700
> From: Mark Fellhauer <sparkfel@primenet.com>
> To: n2czf@magg.net, aprssig@tapr.org
> Subject: Re:  Help:  Motorola MTX8000
> Message-ID: <3.0.32.19970518142413.006a39e8@mailhost.primenet.com>
>
> At 10:26 AM 5/18/97 +0000, Rich Garcia wrote:
> >
> >GO with the UHF system!
>
> That's what I tried to tell 'em...  We do have access to several radios
> (still operating under contract) that are mobile units (not being used -
as

> all the drivers are issued an MTX8000).  We may go with them instead.  I
> will recommend that to them today.
>
>
>
> >#2 How are you going to take hold of the TX PTT, hold the data back,
> >then send the data when you get hold of the trunking channel ?
>
> That was my next question.  I wanted to use standard HAM versions of
TNC's,
> either Kantronics or PacComms to keep the cost down, but I knew that
might
> be a problem on Trunked radios.  I have seen a few commercial TNC's that
> are designed for trunked systems in the past, and was going to look into
> that next.
>
> >
> >#3 Where are you located ? You do understand that Analog Trunking
> >will probably be history in the next two years ? Depending on where
> >in the country you are in. I am currectly in the process of telling
> >customers that the radios that they are leasing and paying for are
> >going to be shut down in less than one year here. Some of them will
> >be paying for radios that no longer work! Sucks but that is NEXTEL!
>
> Yup.  We are in Metro Phoenix (AZ) and it is my understanding that most
> trunked leased systems will be going digital by this coming September,
> including the company they are using.  I told them to hold off until
then,
> but they don't want to wait (they are losing money to dawdling drivers).
> If the new system is Digistar compatable then those radios will have
> built-in capability for AVL.
>
> Phoenix PD and Fire are supposed to go to APCO 25 (Astro digital) now,
but
> I understand that the system is plagued by many gremlins.  I can't see a
> digital system working well on a commercial basis, if they can't make it
> work on a public service basis.  I'm told that LA County has spent Tens
of
> millions of dollars trying to get their Astro system up and running (for
3
> years now) but are still using analog voice...
>
> 73,
>
> And thanks for the input,
>
> Mark
> KC7BXS
>
>
>
>
>
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 17:59:03 -0400 (EDT)
> From: Stan Horzepa <stanzepa@mail2.nai.net>
> To: APRS_sig <aprssig@tapr.org>
> Subject: IMPORTANT ANNOUNCEMENT!!!
> Message-ID: <199705182159.RAA21921@mail2.nai.net>
>
>
> Hello APRSSIG-folk,
>
> Effective today, the honorable Keith Sproul, WU2Z, has retired as the
> chairperson of the APRSSIG. I have taken his place.
>
> In light of this change, I feel that a few rules need to be mentioned in
> order to assure the continued smooth operation of the APRSSIG. Here they
> are, short and sweet:
>
> The APRSSIG Rules
>
> 1)  Stick to the subject (APRS). That means no virus alerts, no chocolate
> chip cookie recipes, no surplus gear fire sales, no nothing that isn't
> directly related to APRS.
>
> 2)  No abusive behavior demonstrated towards a list member will be

tolerated
> on the APRSSIG. Please take your flames elsewhere.
>
> 3)  I reserve the right to unsubscribe any list member who violates these
> rules without warning. That means one strike and you're out of here.
>
> Finally, if you wish to unsubscribe from APRSSIG, send a message to
> listserv@tapr.org containing only the following line in the body of the
> message: unsubscribe APRSSIG
>
> Have fun!
>
> Stan Horzepa, WA1LOU, stanzepa@ct2.nai.net
>
>
> ------------------------------
>
> Date: Sun, 18 May 1997 18:39:36 -0400
> From: Wes Johnston <kd4rdb@usa.net>
> To: aprssig@tapr.org
> Subject: Re:  Help:  Motorola MTX8000
> Message-ID: <3.0.32.19970518183807.00698628@coca.net>
>
> At 04:37 PM 5/18/97 -0500, you wrote:
> >That was my next question.  I wanted to use standard HAM versions of
TNC's,
> >either Kantronics or PacComms to keep the cost down, but I knew that
might
> >be a problem on Trunked radios.  I have seen a few commercial TNC's that
> >are designed for trunked systems in the past, and was going to look into
> >that next.
> >
>
> Maybe this is where I show my  ignorance.... but a trunked system just
> needs a longer TXDELAY, right?  While all the freq assignments and such
are
> taking place, the tnc may as well be TXdelaying, right?
>
>
> 73's de Wes
> Email: mailto:kd4rdb@usa.net
> WEB:   http://www.coca.net./people/kd4rdb/
>
> Want to learn how to track cars and events on ham radio?
> click here-> http://www.coca.net./people/kd4rdb/aprs.htm
>
>
> ------------------------------
>
> End of APRSSIG Digest 1023
> **************************

## 575. RE: [APRSSIG:12653] Re: using LPT1 on a laptop

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Mon, 19 May 1997 07:42:00 -0700 (PDT)
To: aprssig <aprssig@tapr.org>
Message-ID: <3380645D@gismtpgate.gi.com>
Rendered body type: text/plain

Steve (KD6WXD) sent:

> There is a company called Socket Communications, that have 1 and 2 port
> serial PCMCIA cards
 ------------------------------------------------
Never heard of them; can you pass address / phone
off the SIG?

Dave K7NG
dborcher@nogmail.gi.com

## 576. GPS Antenna

From: Steve Gunsel <sgunsel@worldnet.att.net>
Date: Mon, 19 May 1997 15:01:55 +0000
To: aprssig@tapr.org
Message-ID: <19970519150154.AAA5678@LOCALNAME>
Rendered body type: text/plain

Where can I get information on the theory, design, and construction of patch
antennas?

## 577. RE: [APRSSIG:12702] GPS Antenna

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Mon, 19 May 1997 08:47:00 -0700 (PDT)
To: aprssig <aprssig@tapr.org>
Message-ID: <338073A2@gismtpgate.gi.com>
Rendered body type: text/plain

>Where can I get information on the theory, design, and construction of
patch
>antennas?
 ------------------------
N6OJJ was kind enough to refer me to the proceedings
from the '96 Pacificon - Rob Hill presented a paper on
patch antenna design.

If you can obtain that paper, you'll be off to a good
start.

Dave K7NG

## 578. Socket pcmcia card

From: Ronald Armstrong <ronalda@sympatico.ca>
Date: Mon, 19 May 1997 12:03:06 -0400
To: aprssig@tapr.org
Message-ID: <338079BA.5946@sympatico.ca>
Rendered body type: text/plain

Here are the address for

Socket Communications Inc
6500 Kaiser Drive
Fremont,CA 94555
tel: 510-744-2700
fax: 510-744-2727

with there pcmcia card you can make a second serial comm port

Ronald VE2JOR 73'S

## 579. Mic-E GPS Output

From: Donald R Froula <dfroula@interaccess.com>
Date: Mon, 19 May 1997 11:07:11 -0500 (CDT)
To: aprssig@tapr.org
Cc: dfroula@interaccess.com
Message-ID: <199705191607.LAA03483@flowbee.interaccess.com>
Rendered body type: text/plain

After examining the Mic-E documentation, I'm unclear on one point.  Perhaps
someone on the list can supply the information.

If an internal GPS is installed, is the data output from the GPS available
at the transmit data line of the DB-9 and/or stereo 1/8" jack?  The docs
seem to indicate that the transmit data line is only used for programming in
personality data to the PIC chip.

Availability of the GPS data would be useful for connecting a PC running
APRS in the car, while still allowing locations to be transmitted to others.

Regards,

Don Froula
WD9DMP

## 580. Re: [APRSSIG:12622] using LPT1 on a laptop

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 19 May 1997 11:18:58 -0400 (EDT)
To: ko6xs@ko6xs.ampr.org
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970519111723.29803B-100000@arctic>
Rendered body type: text/plain

On Thu, 15 May 1997 ko6xs@ko6xs.ampr.org wrote:

> I know that there was somediscussion a while ago about running APRS or
> ... and Street Atlas 4.0 simultaneously under Win95 and piping the
> output of APRS out serial port and in another to SA 4.0. If I'm not
> mistaken,the result was to have all APRS info appear on SA4.0.

APRSdos REPLY/COMMENT:  Almost.  Only one station at a time shows up.
using this APRSdos kludge..  YOu can cycle through the many stations
rapidly with the + key, but it is still kind of a kludge...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 581. Perfect Mic-E application!

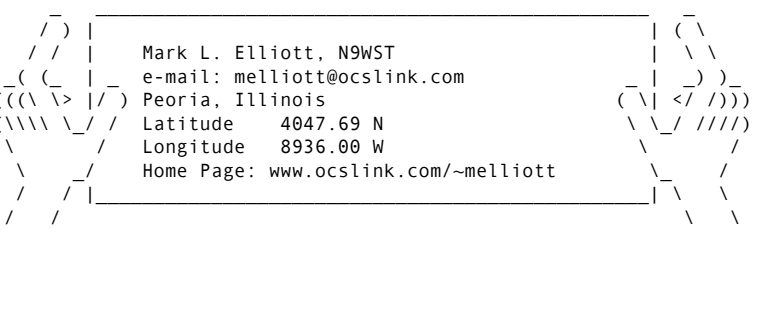
From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 19 May 1997 15:02:06 -0400 (EDT)
To: melliott@ocslink.com
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970519145520.5712N-100000@arctic>
Rendered body type: text/plain

At the TAPR BASH someone mentioned that a dual band radio should have a
third band or memory for the APRS channel.  I took that to Kenwood at the
show and the TM-V7A is a dual band radio with a TNC/DATA connector on the
front panel.  You can specify that when the TNC keys the radio, it will
key on the existing band, or the other band.  This is one reason for
saying lets get moving on a UHF channel!

Just plug your tracker (Or Mic-E) into the jack and wehn it keys, the
radio QSY's for 0.3 seconds and sends the packet!

BUT THE EXCITEMENT WAS THAT IT IS RUMORED THAT NOT ONLY WILL THE TM-V&A
go to the other band, but that you can tell it to QSY on the EXISTING
BAND!   Meaning that you can talk on 2 meters, but whenever the Mic-E
plugged into the data jack keeys, that the radio will QSY to 145.79!

 On Mon, 19 May 1997
melliott@ocslink.com wrote:

> Hi Bob, thanks for the time we spent at Dayton.  One quick question.
> You had mentioned something about what the TM-V7A could already do
> but was undocumented.....you were going to show me but Mark could not
> figure out how to set up the radio.  Would you please comment on that
> when you get some time?  I know you just got back from a long trip and
> a long weekend.
>
> Thanks and 73,
>


>
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 582. Re: [APRSSIG:12698] APRS Dayton Comments

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 19 May 1997 15:03:50 -0400 (EDT)
To: John Langtry <ve3nec@peel.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970519150303.5712O-100000@arctic>
Rendered body type: text/plain

On Mon, 19 May 1997, John Langtry suggested:
>
> One item to add to your collection "for the visiting ham" is to
> have all the regular digipeaters (i.e. the packet nodes, IP nodes,

> BBSs, etc.) have APRS information within the BT of that digipeater,
> node, or mail system. This way, when you come to our area at least
> with packet equipment, you can see this text. If you then launch
> APRS, the local digipeater will pop up as a lone green star with
> (in our case) the invitation to join in with the APRS fun by
> QSY'ng to 144.390. Neat, huh ?

APRSdos REPLY/COMMENT:  I couldnt have said it better....

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 583. APRS SIG Chair Changes

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Mon, 19 May 1997 14:53:45 -0500
To: "TAPR-BB  list   mailing"<tapr-bb@tapr.org>,
        "APRS SIG  list   mailing"<aprssig@tapr.org>
Message-ID: <v03020901afa6598d4df5@[192.168.1.2]>
Rendered body type: text/plain

Topic: New APRS SIG Moderator/Chairperson

I'm pleased to announce that Stan Horzepa, WA1LOU (wa1lou@tapr.org), is the
new APRS SIG moderator and chairperson.

Stan is very active in APRS SIG and he has been a great supporter of the
activity for several years now.  Keith Sproul, WU2Z, who was responsible
for the formation of the APRS SIG will be able to spend more time
supporting the APRS community through further software and technical
developments.

Please join me in welcoming Stan to his new role.

Larry Keeran, K9ORP, will continue to be the APRS SIG ftp file manager.
Larry has been doing a super job in keeping the files orgnaized in the APRS
SIG area.  Thanks Larry!

73,  Greg Jones, WD5IVD
President, TAPR

-----
Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
http://www.tapr.org/~wd5ivd
-----

## 584. APRS Software

From: FRANK BAKER <75022.2523@CompuServe.COM>
Date: 19 May 97 15:59:36 EDT
To: TAPR <aprssig@tapr.org>
Message-ID: <970519195936_75022.2523_GHJ98-1@CompuServe.COM>
Rendered body type: text/plain

Sirs:

I am in the process of getting started in APRS.  I have been on packet, and have
all the necessary hardware.  I need help installing my software which is
shareware given to me on a disk.  It is APRS  APRS790.ZIP  ( this is the DOS
version.)   my computer is a 486 cpu , 4megs RAM and I have the program
PKZIP, PKUNZIP.

Could you please provide me assistance with a detailed step-by-step instruction
to install my software.

Thanks,
Frank Baker, AE4DJ
75022.2523@compuserve.com

## 585. Re: [APRSSIG:12708] Re: APRS Dayton Comments

From: Steve Dimse <sdimse@bridge.net>
Date: Mon, 19 May 97 16:11:36 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705192011.QAA15216@bridge.net>

Rendered body type: text/plain

>On Mon, 19 May 1997, John Langtry suggested:
>>
>> One item to add to your collection "for the visiting ham" is to
>> have all the regular digipeaters (i.e. the packet nodes, IP nodes,
>> BBSs, etc.) have APRS information within the BT of that digipeater,
>> node, or mail system. This way, when you come to our area at least
>> with packet equipment, you can see this text. If you then launch
>> APRS, the local digipeater will pop up as a lone green star with
>> (in our case) the invitation to join in with the APRS fun by
>> QSY'ng to 144.390. Neat, huh ?
>
I hope visiting hams will keep in mind the TAPR Digital Directory as
well. This ought to be THE source for finding digital activity in an
unfamiliar area.

Of course, APRS is surprisingly under-represented now, only Florida and a
handful of other places have submitted their data on APRS digis (hint,
hint).

http://www.tapr.org/directory

Steve K4HG

## 586. Weather Stations

From: David Dunster <riders@sk.sympatico.ca>
Date: Mon, 19 May 1997 14:34:37 -0600
To: aprssig@tapr.org
Message-ID: <3380B95D.1822@sk.sympatico.ca>
Rendered body type: text/plain

Hello from Regina SK

Well is snowed here yesterday, yep, May 18th. Darn white
stuff just won't go away. Ever notice how weather is nothing
but a bunch of 4 LETTER words ...

SNOW RAIN HAIL WIND COLD WARM

Well anyway, subject of today is WEATHER STATIONS!!

I see by APRS that two are mentioned:

Peet Bros Ultimeter and Davis Home Weather Station

Comments on pro/cons of either requested as well as hints
on what to look for when using 2M/TNC/GPS/WX all in one!

Thanks in advance ...

David Dunster, VE5DGD

## 587. Re: re: TX hold off circuit

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 19 May 1997 18:10:53 -0400
To: 71301.3106@compuserve.com, aprssig@tapr.org
Message-ID: <3.0.32.19970519180428.006ed474@coca.net>
Rendered body type: text/plain

At 09:27 AM 5/19/97 -0500, you wrote:
>Accomplishes the job with aplomb and is positively elegant in its simplicity.
>Since I have the same need I'll follow this great lead; it may even be
possible to eliminate the relay.

That's a good idea Mike! It would save on parts cost be, smaller, and
probably more reliable in the long run. You wanna to the honors and sketch
it, or shall I? Really, I chose the relay because I didn't think of this!
Just remember that the pin off the 4017 that drives Q2 is high all the time
when the car is switched on... so we'll need an additional transistor to
actually switch the PTT... You know, I bet if we used a zeiner diode for a
voltage reg instead of that 7805, and removed the relay, the whole thing
would fit in a 9pin gender bender housing!
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?

click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 588. Re: [APRSSIG:12707] Perfect Mic-E application!

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 19 May 1997 18:10:55 -0400
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <3.0.32.19970519180906.006ed474@coca.net>
Rendered body type: text/plain

At 01:59 PM 5/19/97 -0500, you wrote:
>BUT THE EXCITEMENT WAS THAT IT IS RUMORED THAT NOT ONLY WILL THE TM-V&A
>go to the other band, but that you can tell it to QSY on the EXISTING
>BAND!   Meaning that you can talk on 2 meters, but whenever the Mic-E
>plugged into the data jack keeys, that the radio will QSY to 145.79!

So you are saying that the radio is smart enough to know the difference
between the mic jack and the data jack , and choose the correct "side" of
the radio?  Does the 733 do this?  I have one in the truck, and would LOVE
to be able to do what you are speaking of!!!!  How's it set up?


73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 589. TX Hold (again?)

From: Wes Johnston <kd4rdb@usa.net>
Date: Mon, 19 May 1997 18:36:19 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970519182927.006ed64c@coca.net>
Rendered body type: text/plain

I've just uploaded the schematic to

ftp://ftp.tapr.org/tapr/SIG/aprssig/files/upload/

I put up a BMP and JPG version to allow others an easy shot at changing the
schematic with windows paint program.  I uploaded it in BINARY mode, but
can't seem to download it... any suggestions?
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 590. Re: [APRSSIG:12707] Perfect Mic-E application!

From: BF4SMK3@CHESHUB1.BELL-ATL.COM
Date: Mon, 19 May 1997 20:12:03 -0400
To: "aprssig(a)tapr.org" <aprssig@tapr.org>
Cc: "mdoore(a)bellatlantic.net" <mdoore@bellatlantic.net>
Message-ID: <00316000066509490000002*@MHS>
Rendered body type: text/plain

How about us with TM-733A's, any chance will work on these?

     Mark/N3NTQ
     laurel@webtrek.com
     mdoore@bellatlantic.net


_____ Reply Separator _____
Subject: [APRSSIG:12707] Perfect Mic-E application!
Author:  aprssig@tapr.org at INTERNET
Date:    5/19/97 6:35 PM


Attachment file number 1, file name
Creation date:  May 19, 1997 18:36:01
Document Type:  ASCI, Document Class: MEMO
Author:
Comment:        [APRSSIG:12707] Perfect Mic-E application!
Level:          1, Number : 1

At the TAPR BASH someone mentioned that a dual band radio should have a
third band or memory for the APRS channel.  I took that to Kenwood at the
show and the TM-V7A is a dual band radio with a TNC/DATA connector on the
front panel.  You can specify that when the TNC keys the radio, it will
key on the existing band, or the other band.  This is one reason for
saying lets get moving on a UHF channel!

Just plug your tracker (Or Mic-E) into the jack and wehn it keys, the
radio QSY's for 0.3 seconds and sends the packet!

BUT THE EXCITEMENT WAS THAT IT IS RUMORED THAT NOT ONLY WILL THE TM-V&A
go to the other band, but that you can tell it to QSY on the EXISTING
BAND!   Meaning that you can talk on 2 meters, but whenever the Mic-E
plugged into the data jack keeys, that the radio will QSY to 145.79!

 On Mon, 19 May 1997
melliott@ocslink.com wrote:

> Hi Bob, thanks for the time we spent at Dayton.  One quick question.
> You had mentioned something about what the TM-V7A could already do
> but was undocumented.....you were going to show me but Mark could not
> figure out how to set up the radio.  Would you please comment on that
> when you get some time?  I know you just got back from a long trip and
> a long weekend.
>
> Thanks and 73,
>        _   _____________________________________________  _
>       / ) |                                             | ( \
>      / /  |    Mark L. Elliott, N9WST                   |  \ \
>     _( (_  | _  e-mail: melliott@ocslink.com           _ |  _) )_
>   (((\ \> |/ ) Peoria, Illinois                       ( \| </ /)))
>   (\\\\ _/ /  Latitude    4047.69 N                   \ _/ ////)
>    \       /   Longitude   8936.00 W                    \       /
>     \    _/    Home Page: www.ocslink.com/~melliott     _    /
>     /   / |_____________________________________________| \   \
>    /   /                                                  \   \
>
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html


---

## 591. NADSD

From: Steve Dimse <sdimse@bridge.net>
Date: Mon, 19 May 97 20:21:03 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705200021.UAA17246@bridge.net>
Rendered body type: text/plain

>>Of course, APRS is surprisingly under-represented now, only Florida and a
>>handful of other places have submitted their data on APRS digis (hint,
>>hint).
>>
>And it is no wonder!  I went to submit my data on my digi (WB0WNX-6) and
>find that I have to be part of an organization to have my data submitted.
>I don't think there is an organization in my part of the country so I would
>have to become the organization to submit data for my one little digi.
>
>To much work for too little return.  I think I'll just stay with the .POS
>file submissions.

This was sent to me via private email, I have quoted it here to answer
the point it brings up and ask for more input from the sig. Names have
been withheld to protect me from flames, HI.

When I first created the javAPRS site for NADSD, I used Bob's file of
digis to "jump start" the display. However, as I improved the site and
used more of the submitted data for selective display, this became
impossible. I had considered submitting the digi file into the database,

however NADSD requires much more data than is in the digi file. Also, it is preferable to have a local person responsible for data, one who is watching to see when digis come and go.

Although the directory information does refer to "participating groups" it is possible for individuals to join. However, there is a fairly significant overhead involved in applying for recognition and formatting the data for submission to NADSD, and I understand the reluctance at jumping those hurdles.

I feel strongly that any area with significant APRS activity should submit their network info themselves, either through direct registration with NADSD or by submitting their data to a participating group in their area. Info submitted long distance tends to decay a bit fast, defeating the purpose of NADSD.

However, perhaps someone could collect info from "orphan" sites for submittal to NADSD. If no one is willing to do it I will, but I'd rather spend my time programming. Maybe someone who already is submitting data to the NADSD?

Steve K4HG

## 592. Re: [APRSSIG:12716] Re: Perfect Mic-E application!

From: Steve Dimse <sdimse@bridge.net>
Date: Mon, 19 May 97 20:30:38 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705200030.UAA18556@bridge.net>
Rendered body type: text/plain

> How about us with TM-733A's, any chance will work on these?
>
No, just the V7A. Too bad I absolutely HATE the blue display!

Steve K4HG

## 593. Is it just me...or a problem..

From: Bob Merchant <KB8AST@mwweb.com>
Date: Mon, 19 May 1997 18:09:41 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970519180941.0069a5ac@MAIL.mwweb.com>
Rendered body type: text/enriched

Hi SIG, I downloaded the current dos APRS792.zip version of APRS, and I an getting lockups if I try to display wind flow on my old 286 system.

I haven't tried to run it on my 486 DX/100 system, and the 286 has

been my "on air" APRS system since the beginning. It is something to use the old Tandy 1000/TL2 for. Is this something I can attribute to the old system, or to a software problem. Anyone else having this problem?

73, de Bob,

<color><param>0000,0000,ffff</param>KB8AST@mwweb.com

</color>KB8AST@KB8AST.#NEOH.OH.USA.NOAM

http://www.mwweb.com/kb8ast/kb8ast.htm

## 594. GPS to laptop and TNC ???

From: David Shultz <dshultz@epix.net>
Date: Mon, 19 May 1997 21:53:31 -0400
To: aprssig@tapr.org
Message-ID: <3381041B.7FFF@epix.net>
Rendered body type: text/plain

I know I should have seen information on this before and saved it but somehow it has passed me by.

On Friday of last week I got the new Garmin GPS II+ in the mail. And I would like to connect it to the TNC and if possible to the laptop also. Can someone explain to me the procedure to do this.

If I want to connect it to the TNC - is it a direct connect with RXD, TXD and Ground to a DB9? And if I want to connect it to the laptop also, what is the design of the cable I would need? I understand I would need to build an HSP cable, but I do not have the design for such an animal.

Any help would be greatly appreciated. I am trying to get this ready for
a road rally in early June in which the Hams in the area are doing the
communications.

Thanks,
Dave Shultz - n3nxc
dshultz@epix.net

## 595. Re: [APRSSIG:12710] APRS Software

From: blitz <blitz@cataract.nfss.edu.on.ca>
Date: Mon, 19 May 1997 22:13:32 -0400
To: 75022.2523@compuserve.com
Cc: aprssig@tapr.org
Message-ID: <1.5.4.32.19970520021332.006be6a4@strikenet.ccnn.net>
Rendered body type: text/plain

At 03:11 PM 5/19/97 -0500, you wrote:
>Sirs:
>
>I am in the process of getting started in APRS.  I have been on packet, and
have
>all the necessary hardware.  I need help installing my software which is
>shareware given to me on a disk.  It is APRS  APRS790.ZIP  ( this is the DOS
>version.)   my computer is a 486 cpu , 4megs RAM and I have the program
>PKZIP, PKUNZIP.
>
>Could you please provide me assistance with a detailed step-by-step instruction
>to install my software.
>
>Thanks,
>Frank Baker, AE4DJ
>75022.2523@compuserve.com
>
>It's rather simple Frank, software wise, pkunzip -d aprs790 c:\aprs
(assuming youre going to run it out of a subdir called APRS)

fire up the main .exe and follow the instructions as they pop up on the screen.

The only heads-up is to use the -d flag as all the subdirs under aprs
containing many many files are auto-created that way.

good luck, and welcome to APRS...

.\\arc

blitz@cataract.nfss.edu.on.ca

"Nuclear winter is over. The lawn just captured and ate it's first robin!"

## 596. 792 and windflow

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Mon, 19 May 1997 21:18:15 -0500
To: aprssig@tapr.org
Message-ID: <338109E7.2999@stonewest.com>
Rendered body type: text/plain

Only 2 wx stations in range to me at this time, but no can dupe
the lockup.. It might be taking a <LONG> time though??

## 597. GPS to TNC and Laptop - GOT IT!!!

From: David Shultz <dshultz@epix.net>
Date: Mon, 19 May 1997 22:47:46 -0400
To: aprssig@tapr.org
Message-ID: <338110D2.1CB2@epix.net>
Rendered body type: text/plain

Thanks for your replys. I found it in the APRS docs, which it where I
should have been looking in the first place. It does pay to read the
manual.

Dave Shultz - n3nxc

## 598. Re: [APRSSIG:12713] Re: re: TX hold off circuit

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 19 May 1997 21:55:58 -0500
To: kd4rdb@usa.net
Cc: aprssig <aprssig@tapr.org>

Message-ID: <338112BE.6106@stans.com>
Rendered body type: text/plain

One thing I was thinking would be nice to add to the circuit (window dressing, really) is a 7-segment LED driver, to show the "countdown to XMIT".... It'd always be zero when the car was running, but would follow the count of the decade divider when it wasn't running.

Of course, ideally, it would be with one of the 10-lines-to-LED driver chips I think I saw some years back, so it would be only a 2-chip (driver plus display) add-on.

## 599. Re: Perfect Mic-E application!

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 May 1997 20:24:46 -0700
To: BF4SMK3@CHESHUB1.BELL-ATL.COM, aprssig@tapr.org
Message-ID: <3.0.32.19970519202443.006a4fd8@mailhost.primenet.com>
Rendered body type: text/plain

At 07:18 PM 5/19/97 -0500, BF4SMK3@CHESHUB1.BELL-ATL.COM wrote:
>At the TAPR BASH someone mentioned that a dual band radio should have a
>third band or memory for the APRS channel.  I took that to Kenwood at the
>show and the TM-V7A is a dual band radio with a TNC/DATA connector on the
>front panel.  You can specify that when the TNC keys the radio, it will
>key on the existing band, or the other band.  This is one reason for
>saying lets get moving on a UHF channel!

The Yaesu FT-8500 will also do this.

>BUT THE EXCITEMENT WAS THAT IT IS RUMORED THAT NOT ONLY WILL THE TM-V&A
>go to the other band, but that you can tell it to QSY on the EXISTING
>BAND!   Meaning that you can talk on 2 meters, but whenever the Mic-E
>plugged into the data jack keeys, that the radio will QSY to 145.79!
>

I don't think the FT-8500 can do this...at least not easily, but it does have limited "CAT" capability.  I suppose a microcontroller could be set to take command of the system, QSY to 145.79, then switch back.  All this is done through the packet data port anyway.

73,

Mark
KC7BXS

## 600. Re: [APRSSIG:12663] ERRORS on WIN 2.0

From: kc4pod@juno.com (Jeff Buffington)
Date: Tue, 20 May 1997 00:05:20 EDT
To: kd4emi@juno.com
Cc: aprssig@tapr.org
Message-ID: <19970520.000532.6622.0.kc4pod@juno.com>
Rendered body type: text/plain

On Sat, 17 May 1997 08:46:23 -0500 (CDT) kd4emi@juno.com (Michael A. Kantor) writes:
>Im getting weird error on win 2.0
>
>Cant read map, out of memory error ..?
>
>(got lotso memory)
>
>Hmmm
>
>Mike
>KD4EMI@JUNO.COM

Got a similar message...but said I have 700k+ free (available to WinAPRS anyway).  Also, many "Can't add station to list...blah blah blah"..must be a 256 limit.

Perhaps it's just reporting the errors so we can see 'em...?

73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 601. RE: DGPS/DCI/Cadet

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 May 1997 23:06:43 -0700
To: "ronhaley@dgps.com" <ronhaley@dgps.com>, aprssig@tapr.org
Message-ID: <3.0.32.19970519230636.0068ba24@mailhost.primenet.com>
Rendered body type: text/plain

At 10:35 AM 5/19/97 -0700, Ron Haley wrote:
>Mark,
>DCI service encrypted.  Plus messages sent over the air aren't standard
RTCM Messages.
>10 meter service can be had for $75 per year, $250 for 5 years.
>Works great.  I am biased, because we supply it.

Thank you for the quick response.  I was eyeballing the ADS Cadet because
they state that several RDS services are in the works and that the Cadet
will be able to decode them.  I assume paging, e-mail, and other data
services may become available.

73,

Mark

## 602. Re: DGPS/DCI/Cadet

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Mon, 19 May 1997 23:28:57 -0700
To: rwf@mindspring.com, aprssig@tapr.org
Message-ID: <3.0.32.19970519232803.0068ba0c@mailhost.primenet.com>
Rendered body type: text/plain

At 08:11 AM 5/19/97 -0500, rwf wrote:
>
>>Anyway, Is anyone on the SIG using this system?  How good is it?
>
>Yes I am.
>It works very well as long as you can receive the FM station.

That's good to hear.  As you may know I've been asked to set up a
commercial APRS system for an associate company.  They've expressed an
interest in very accurate vehicle placement (although I don't know why...)
And they were impressed that a beta APRS/SA4 system is out as they use
Street Atlas.  Right now they only want to dedicate a 386 machine to the
system so we'll have to go with Bob's APRSDOS version for now.


>>ADS is now selling a plug-in radio card, The Cadet, that advertises it can
>>decode RDS broadcast signals.  Has anyone used/bought one?  Could it be set
>>up to decode these RDS signals from DCI?  Has anyone tried that?
>
>I don't know, but the DCI is an addressable receiver.  DCI controls your
>parameters and authorizes reception (similar to addressable cable).  And
>even though you said you knew this, I will reiterate it for other folk's
>benefit.  You must pay for your subscription and use the receiver they
>specify or provide, unless something has changed.

Sounds sensible.  RDS sounds like good technology and if they can
intergrate it cheaply into automobile radios.  It could be a boon to AVL
and traffic control/NWS warnings.  We need it in Phoenix.  Today I tried to
drive on Bell Road around 67th Ave. and found out the intersection was
closed.   It seems the FBI was in a shootout with a serial bank robber IN
TRAFFIC!  They shut down the intersection for hours afterwards as the feebs
blasted the guy into little pieces...

The moral of the story:  Don't rob banks in Phoenix.  If the police don't
shoot you, the citizens will!

>
>BTW- the head guy from DCI monitors this SIG. I introduced him to APRS.
>

Yup, I got a nice reply from him too.  Nice to see when people who
make/sell AVL/GPS services take an interest in the people pushing the
technology forward.   Take a hint, Kantronics!  Or should that be, get a clue!

## 603. connectivity problems.

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Tue, 20 May 1997 01:37:39 -0500
To: aprssig@tapr.org

Message-ID: <338146B3.6D85@stonewest.com>
Rendered body type: text/plain

Ok, what am I missing.

I can connect to WIDE, and a <CR> gets acked within 1-2 packets tops.
I can't get WIDE to digi me at all... It's as if he dosen't hear me.
I'm monitoring the RX audio, the conversation between the TNC and
APRS with a dataline monitor..

I can hear the wide just fine. I can connect to wide just fine.
When I send packets, wide dosen't digi them, either by alias,
or by callsign. (Unproto is set properly.)

I've tried tweaking levels, but it's more than just that.

## 604. Re: [APRSSIG:12729] connectivity problems.

From: Kevin Heyboer <kd4uyr@gte.net>
Date: Tue, 20 May 1997 07:36:40 -0400
To: dvanhorn@stonewest.com
Cc: aprssig@tapr.org
Message-ID: <33818CC8.630D@gte.net>
Rendered body type: text/plain

Sounds to me like one of two things:

1.  The WIDE digi owner has the wide set improperly with digipeat off,
thus not allowing any packets to be repeated (perhaps there was a hard
reset and owner doesn't know).

2.  The WIDE digi owner has intentionally locked you out....you weren't
beaconing too often or sending out non-positioned signals or anything
silly like that were you?  I know our digi owner will budlist any
station that beacons more often then 10 mins (except WX stations) and
any station sending spurious signals.

And just a general comment for WIDE digi owners.....Wide digi's should
ALWAYS be set with CONOK to OFF...no one should be able to connect to a
stand alone digi...it interrupts the flow of traffic.

Dave VanHorn wrote:
>
> Ok, what am I missing.
>
> I can connect to WIDE, and a <CR> gets acked within 1-2 packets tops.
> I can't get WIDE to digi me at all... It's as if he dosen't hear me.
> I'm monitoring the RX audio, the conversation between the TNC and
> APRS with a dataline monitor..
>
> I can hear the wide just fine. I can connect to wide just fine.
> When I send packets, wide dosen't digi them, either by alias,
> or by callsign. (Unproto is set properly.)
>
> I've tried tweaking levels, but it's more than just that.

--
**********************************************************************
Kevin Heyboer                       E-Mail: kd4uyr@gte.net
Amateur Radio Call: KD4UYR          Packet Mail:KD4UYR@W4DPH.#TPA.FL.US
Coordinator, Pinellas (St. Petersburg/Clearwater) SKYWARN
Assistant Emergency Coordinator for Amateur Radio Emergency Service
**********************************************************************

## 605. Re: connectivity problems

From: rbost@itexas.net (Roy Bost)
Date: Tue, 20 May 1997 07:28:11 -0500
To: "AprsSig" <aprssig@tapr.org>
Message-ID: <19970520122914659.AAA135@rbost.itexas.net>
Rendered body type: text/plain

If I set CONOK to OFF on my remote KPC-3, will I still be able to connect
to it using the REMOTE functions?

Roy W Bost, N5TAM
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 606. Re: [APRSSIG:12730] Re: connectivity problems.

From: rwf <rwf@mindspring.com>
Date: Tue, 20 May 1997 09:01:40 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970520090044.00a43d1c@ccegate.cokecce.com>
Rendered body type: text/plain

Yes, digi owners will sometimes temporarily disallow a user access who is unreachable and has runaway beacons (tracker parked for a long time with 1 minute beacons thru 3 digis, etc). One time we had a user in another area who was sending flames via BLNs for a while and was locked out (he seems like a new person now- though)

But i disagree with not allowing connects.  I have a permanent message in the PBBS of each of my digis entitled: "Traffic on this frequency".  It explains the "strange" packets the user sees and tells how to contact a local user and how to get APRS.  It has helped numerous users who stumbled upon us to become contributing users.

Also, before our net was as big as it was, a former digiOP stored the local map in a text message. New (and old) users could download this at off times to ensure they had the current local map.

I do think that a connection to the digi's call should dump them to the PBBS if possible.'  I really never see anyone connect- it doesn't interrupt the traffic flow at all.

Oh yeah, I think msg # 2 in my digis asks the users not to use the pbbs for anything other than APRS announcements.

Ralph

Kevin wrote:
>Sounds to me like one of two things:
>
>2.  The WIDE digi owner has intentionally locked you out....you weren't
>beaconing too often or sending out non-positioned signals or anything
>silly like that were you?  I know our digi owner will budlist any
>station that beacons more often then 10 mins (except WX stations) and
>any station sending spurious signals.
>
>And just a general comment for WIDE digi owners.....Wide digi's should
>ALWAYS be set with CONOK to OFF...no one should be able to connect to a
>stand alone digi...it interrupts the flow of traffic.

## 607. Help with WinAprs

From: "Gerald Turner" <gdturner@fullnet.net>
Date: Tue, 20 May 1997 08:32:59 -0500
To: <aprssig@tapr.org>
Message-ID: <13370172421637@fullnet.net>
Rendered body type: text/plain

I hope someone can help. I just loaded WinAprs and cannot get it set-up to show heard stations on the map. I am using a MFJ 1278 on HF and see the stations on the status bar. How do I get them to display on the map?

Thanks

Dee Turner, N2MNC
Enid, OK

## 608. Re: [APRSSIG:12717] NADSD

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 20 May 1997 10:06:24 -0400 (EDT)
To: Steve Dimse <sdimse@bridge.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970520100404.9257H-100000@arctic>
Rendered body type: text/plain

Steve is right.  It doesnt make sense for 100 of us to go through the registration process to submit data into the TAPR Digital data base, but it would make sense for us to locate someone in each of the nominal APRS regional areas to be the DIGI COORDINATOR.  Here are the regions:

1) EAST
2) SEAST
3) MIDWEST
4) CENTRAL
5) WEST

Any volunteers?

See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 609. Re: [APRSSIG:12732] Re: connectivity problems.

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Tue, 20 May 1997 09:02:35 -0500
To: rwf@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <3381AEFB.2251@stonewest.com>
Rendered body type: text/plain

rwf wrote:
>
> Yes, digi owners will sometimes temporarily disallow a user access who is
> unreachable and has runaway beacons (tracker parked for a long time with 1
> minute beacons thru 3 digis, etc). One time we had a user in another area
> who was sending flames via BLNs for a while and was locked out (he seems
> like a new person now- though)

Not the case here.. I can graph the number of packets I get through, and
it's
more or less a sine function varying with time of day. It usually drops
out
after midnight, and climbs back to some non-zero number during the day.

the number of packets I see from him (not mine) tracks, but is always
larger. The curious thing is that it looks like a path problem where
there shouldn't be one, and AFAIK, I can ALWAYS connect to him, even
when I cant digi through him for over an hour.

> But i disagree with not allowing connects.  I have a permanent message in
> the PBBS of each of my digis entitled: "Traffic on this frequency".  It
> explains the "strange" packets the user sees and tells how to contact a
> local user and how to get APRS.  It has helped numerous users who stumbled
> upon us to become contributing users.

soon as I figure out what it's telling me, I'll call it a useful
diagnostic :)

## 610. APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 20 May 1997 10:16:29 -0500
To: aprssig@tapr.org
Message-ID: <3381C04D.1562@mindspring.com>
Rendered body type: text/plain

I just completed my installation of a Tripmate, KPC-3, HTX202 tracker
but why does it always show GRAY on my maps. Is this due to not having a
realtime clock in the TNC (It never did this before!). I also see a lot
of stations on the map 20% that show GRAY i know i may not have been
reading all the changes for each version and may have missed this one.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 611. Balloon Report

From: rbost@itexas.net (Roy Bost)
Date: Tue, 20 May 1997 10:27:26 -0500
To: "AprsSig" <aprssig@tapr.org>
Message-ID: <19970520152829083.AAA181@rbost.itexas.net>
Rendered body type: text/plain

I am currently receiving positions from WA4IWY-11  at 34 45' 10"N 103 49'
47"W on cse 228m speed 90 and alt 47047.  Beacon reports the balloon to be
a NASA project.

Roy W Bost, N5TAM
32 25' 25"N 097 48' 59"W
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 612. Balloon Report

From: rbost@itexas.net (Roy Bost)
Date: Tue, 20 May 1997 10:36:46 -0500
To: "AprsSig" <aprssig@tapr.org>
Message-ID: <19970520153748708.AAA149@rbost.itexas.net>
Rendered body type: text/plain

I am seeing WA4WY-11 on the first wide in his path of wide,wide. His
position is over 400 miles from this QTH.

Roy W Bost, N5TAM
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 613. [APRSSIG:12735] Re: connectivity problems. -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Tue, 20 May 1997 11:05:07 -0500
To: dvanhorn@stonewest.com, aprssig@tapr.org
Message-ID: <s3818673.053@mail.rkd.snds.com>
Rendered body type: text/plain

The question asked was "if I set  CONOK OFF will I still be able to
connect to myremote"  the answer is yes.  (with KPC-3 at least).
That is what I have set in W9AXD and my own mobile tracker.
73, Paul
    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

## 614. Re: [APRSSIG:12736] APRS Tracker

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 20 May 1997 11:10:37 -0500
To: wa8inz@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <3381CCFD.4340@stans.com>
Rendered body type: text/plain

Greyed-out stations are USUALLY a sign of incorrect times or UTC offsets
at the receiving or transmitting end.

Since the packets from the tracker have the UTC time stamp embedded in
them, I'd check the offset at your station, to make sure it translates
the time correctly.

William Nolle wrote:
>
> I just completed my installation of a Tripmate, KPC-3, HTX202 tracker
> but why does it always show GRAY on my maps. Is this due to not having a
> realtime clock in the TNC (It never did this before!). I also see a lot
> of stations on the map 20% that show GRAY i know i may not have been
> reading all the changes for each version and may have missed this one.
>
> --
> Bill WA8INZ
> wa8inz@mindspring.com
> wa8inz@amsat.org

## 615. Setting up for Triathalon

From: pwburke@rex.imperium.net (Paul W. Burke)
Date: Tue, 20 May 1997 16:29:57 GMT
To: aprssig@tapr.org
Message-ID: <3383cdc4.1310761@rex.imperium.net>
Rendered body type: text/plain

I am in the planning stages of setting up communications for our
annual triathalon. I would like to implement APRS into our scheme this
year. If anyone could recommend a program to map our bike and running
routes as well as the cheapest tracker setups to be placed on certain
vehicles. I have seen a few people noting portable units that were mag
mounted on vehicles. We also have some need for bike mounted units.

I also wondered if there would be any special advantage of wither APRS
Dos or WIN APRS or even the new A$ program other than the authors
would love for us to utilize their program.

I also have a repeater and would like to know what type of tnc is
needed to utilize the MIC encoder data stream to put it over on the

APRS frequency.

Any help will be greatly appreciated.

73

KB8VAS
Paul W. Burke
pwburke@imperium.net

## 616. Re: [APRSSIG:12625] GPS20 antenna cable options

From: clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
Date: Tue, 20 May 97 16:29:13 UTC
To: aprssig@tapr.org, gsanders@gte.net
Message-ID: <28557@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

WB0BZR asked
> Does anyone have any suggestions on how I can do the antenna
> connection at a reasonable cost?
>
> Due to clearance problems, I need to use a right angle MCX connector
> at the board itself.  Can these connectors be assembled without a
> special crimping tool?
>
> I'm considering using a BNC male connector for RG-174 and a bulkhead
> connector at the cabinet back panel. Are BNC's suitable for these
> frequencies?

The right angle MCX connectors are readily available from DigiKey (check
http://www.digikey.com or call 1-800-digikey). They have two sizes. The
smaller is for RG306 (not recommended) and the larger size is fine for
RG174, but if you have any, I'd recommend the Teflon equivalent to 174.

The center pin solders to the coax center conductor. Use a SMALL tipped
soldering iron. They intend that the shield be crimped. If you use Teflon
cable you can solder it. Otherwise it can be easily crimped with pliers
if you don't have the proper tool. I'd suggest you use some heat-shrink
tubing over the crimped area, bot to make it look better and to provide
some strain relief.

BNC's work fine at L-band. The center portion of a BNC is essentially the
same as a TNC or N connector (a cable with an N connector can be pushed
onto a BNC just fine if you don't believe me). The biggest problem is that
the BNC is normally associated with the 1/4" sized coax (i.e. RG58) which
is pretty lossy. If you do not use an amplified antenna, don't use more
than about 5' of RG58 coax!
the "Totally Accurate Clocks" I have built up with no problems.

73 de Tom, W3IWI

## 617. WinAPRS Crashes

From: "Bill Carreira [N1NFC]" <n1nfc@eagnet.com>
Date: Tue, 20 May 1997 13:04:27 -0400
To: aprssig@tapr.org
Cc: aprs-fl@tapr.org
Message-ID: <B0000442363@mail.eagnet.com>
Rendered body type: text/plain

Hi fellow siggerrs,
I am trying patiently to run the subject program because so far I
really like it. I am holding off spending the 60 bucks to register it
because i cant keep it running more than 24 hours without dying.
My system consists of a 486SX20 8meg ram with WIN 3.1 installed. I do
have the proper WIN32s.dll files installed and tested. At times it
comes up with the following error on startup:

Unhandled exception: c0000005
At Address:               85c9fbaf
Top of Stack:             00064be4

I also got the same error exactly 24 hours later after startup when
trying to access the memory function under the Lists heading.
I selected the option and it came up blank. I tried to change maps
and tried to get the info again. At this time the error popped up.

Any info out there? I suppose my computer may be to old to handle
this program. If that's the answer I need to know. I will continue to
use my DOS stuff with it until I can get another Windows 95 machine.

Thanks for your Help.

73

Bill Carreira Jr.    Email:n1nfc@callsign.net
LT  NREMT-I               :n1nfc@hotmail.com
KINGSLAND FIRE RESCUE AMPR:n1nfc@ampr.america.com
Kingsland, GA 31548
Phone:912-729-5287
http://www.eagnet.com/edipage/user/n1nfc/n1nfc.htm
http://www.eagnet.com/edipage/areaserv/kfd/kingsland.htm

"The fire pentahedron consists of: Oxygen, Heat, Fuel, Chemical
Chain Reaction, and the Chief. Take any one of the 5 away and the
fire goes out!"

## 618. RE: [APRSSIG:12739] Re: connectivity problems. -Reply

From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Tue, 20 May 1997 10:17:00 -0500
To: aprssig@tapr.org (Receipt Notification Requested)
Message-ID: <M964308.025.hphcn.1.970520172116Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain

I have set my KPC-3 tracker to

CMSG DISC
CTEXT Sorry, Connections not allowed.  Leave Message at N7TUQ-1.

With this setting, I can connect to my remote, but other stations cannot
connect to my tracker.

Have a good one,

Brian
N7TUQ

-----Original Message-----
From:   aprssig@tapr.org@INTERNET
Sent:   Tuesday, May 20, 1997 11:09 AM
To:     aprssig@tapr.org@INTERNET
Subject:        [APRSSIG:12739] Re: connectivity problems. -Reply

Message authorized by:
    : PEPLASTERS@mail.rkd.snds.com@INTERNET at #EMAIL

The question asked was "if I set  CONOK OFF will I still be able to
connect to myremote"  the answer is yes.  (with KPC-3 at least).
That is what I have set in W9AXD and my own mobile tracker.
73, Paul
    o~
  _[-/)_
(_)\/\(=)-ooo...
Ride to live-Live to ride
Paul WA9FFL "wa9ffl@aol.com"

## 619. Re: [APRSSIG:12736] APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 20 May 1997 14:01:24 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970520135751.5931A-100000@arctic>
Rendered body type: text/plain

On Tue, 20 May 1997, William Nolle wrote:

> I see a lot of stations on the map 20% that show GRAY i know i may
> not have been reading all the changes for each version and may have
> missed this one.

APRSdos REPLY/COMMENT:  Yes, APRSdos now relies on the SENDERS time stamp
to determine the age of a position report.  If the SENDERS time is not
correct in DATE, TIME or ZONE, then he will be dark gray if he is off
by more than 2 hours.   Therefore we must start getting everyone to use
THE CORRECT TIME!

See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 620. Re: [APRSSIG:12738] Balloon Report

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 20 May 1997 14:03:15 -0400 (EDT)
To: Roy Bost <rbost@itexas.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970520140200.5931B-100000@arctic>
Rendered body type: text/plain

On Tue, 20 May 1997, Roy Bost wrote:

> I am seeing WA4WY-11 on the first wide in his path of wide,wide. His
> position is over 400 miles from this QTH.>

APRSdos REPLY/COMMENT:  In general, I dont think that is a good path to
use for balloons.  From its altitude, it will hit EVERY WIDE anyway, so
the second WIDE is just DOUBLING QRM...   We need to get this point across
to all balloon launchers...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 621. Re: [APRSSIG:12736] APRS Tracker

From: rwf <rwf@mindspring.com>
Date: Tue, 20 May 1997 14:34:15 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970520141143.0072925c@ccegate.cokecce.com>
Rendered body type: text/plain

Stand alone trackers are always gray  (light gray) because there is no
computer connected.

At 10:21 AM 5/20/97 -0500, you wrote:
>I just completed my installation of a Tripmate, KPC-3, HTX202 tracker
>but why does it always show GRAY on my maps. Is this due to not having a
>realtime clock in the TNC (It never did this before!). I also see a lot
>of stations on the map 20% that show GRAY i know i may not have been
>reading all the changes for each version and may have missed this one.
>
>--
>Bill WA8INZ
>wa8inz@mindspring.com
>wa8inz@amsat.org
>
>

## 622. Re: [APRSSIG:12737] Balloon Report

From: rwf <rwf@mindspring.com>
Date: Tue, 20 May 1997 14:34:15 -0500
To: rbost@itexas.net
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970520143355.006b1ca4@ccegate.cokecce.com>
Rendered body type: text/plain

This may explain it:
(From Bill Brown)

A payload built by Ed Myszka KE4ROC will be flown (possibly already in the
air) from the balloon center in Palestine, Texas. The payload consists of a
live camera ATV transmitter pointing down on 434 MHz (horizontal
polarization) and an APRS formatted packet GPS transmission on 145.79 MHz.
  The balloon will stay aloft for 48 hours and the payload is solar powered.
The research payload is nearly 5000 pounds and is lofted by a very large
plastic balloon to an altitude of over 130,000 feet. Anyone within 500 miles
of the balloon (launch point will be 100 miles east of Dallas, Texas) should
have a chance to observe the ATV and packet signals. The balloon should
slowly drift due west during the flight and will probably land near the El
Paso area.
  The launch will occur as soon as Wednesday of this week (May 15th), but
could occur any day this week or weekend if it is not already in the air.

73s de Bill WB8ELK

At 10:36 AM 5/20/97 -0500, you wrote:
>I am currently receiving positions from WA4IWY-11  at 34 45' 10"N 103 49'
>47"W on cse 228m speed 90 and alt 47047.  Beacon reports the balloon to be
>a NASA project.
>
>Roy W Bost, N5TAM
>32 25' 25"N 097 48' 59"W
>Granbury, Tx. 76048
>e-mail: rbost@itexas.net
>This message transmitted on 100% recycled electrons
>
>
>

## 623. HSP Cable

From: "David K. Shultz" <dshultz@epix.net>
Date: Tue, 20 May 1997 14:41:37 -0400
To: aprssig@tapr.org
Message-ID: <3381F061.2BBD@epix.net>
Rendered body type: text/plain

I emailed Garmin tech support about the diagram for a data cable for the GPS II+ and they sent me a nice Microsoft Word format diagram which uses no reisistors. The TXD of the GPS goes to the RXD of the serial port and the RXD of the GPS goes to the TXD of the serial port. Very simple. This diagram covers the GPS 45, 45XL, 12XL, 89, 90, GPS II and GPS II Plus. I can email the diagram to anyone who would like it.

My question is: After looking a the HSP cable with switch in the APRS docs, which resistors can be eliminated if the GPS - serial port cable needs no resistors? I can guess, but I would rather not. I would rather see if someone with the technical expertize can help us all out.

Dave - n3nxc

## 624. Re: [APRSSIG:12742] Re: GPS20 antenna cable options

From: "Mark D. Fellhauer" <sparkfel@primenet.com>
Date: Tue, 20 May 1997 11:47:25 -0700 (MST)
To: clark@tomcat.gsfc.nasa.gov, aprssig@tapr.org
Message-ID: <1.5.4.16.19970520114727.316fe322@mailhost.primenet.com>
Rendered body type: text/plain

At 11:46 AM 5/20/97 -0500, Tom Clark -- W3IWI wrote:
>

>The right angle MCX connectors are readily available from DigiKey (check
>http://www.digikey.com or call 1-800-digikey). They have two sizes. The
>smaller is for RG306 (not recommended) and the larger size is fine for
>RG174, but if you have any, I'd recommend the Teflon equivalent to 174.
>
>The center pin solders to the coax center conductor. Use a SMALL tipped
>soldering iron. They intend that the shield be crimped. If you use Teflon
>cable you can solder it. Otherwise it can be easily crimped with pliers
>if you don't have the proper tool. I'd suggest you use some heat-shrink
>tubing over the crimped area, bot to make it look better and to provide
>some strain relief.

>
>BNC's work fine at L-band. The center portion of a BNC is essentially the
>same as a TNC or N connector (a cable with an N connector can be pushed
>onto a BNC just fine if you don't believe me). The biggest problem is that
>the BNC is normally associated with the 1/4" sized coax (i.e. RG58) which
>is pretty lossy. If you do not use an amplified antenna, don't use more
>than about 5' of RG58 coax!
>the "Totally Accurate Clocks" I have built up with no problems.
>

I've found (after two failed BNC connectors) that it's worth the extra 15 cents to buy an Amphenol BNC connector when I replaced the "mcx" connector on my PacComm/Trimble GPS antenna.  I also found RG174 boots that really dress up the new setup.  I don't own a crimper that small so I used a pair of vise-grips sized to crimp the bnc connector/cable enough but not too much.

73,

Mark
KC7BXS

## 625. Re: [APRSSIG:12750] Re: GPS20 antenna cable options

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Tue, 20 May 1997 14:06:44 -0500
To: aprssig@tapr.org
Message-ID: <3381F644.3CAC@stonewest.com>
Rendered body type: text/plain

Mark D. Fellhauer wrote:
>
> At 11:46 AM 5/20/97 -0500, Tom Clark -- W3IWI wrote:
> >
>
> >The right angle MCX connectors are readily available from DigiKey (check
> >http://www.digikey.com or call 1-800-digikey). They have two sizes. The
> >smaller is for RG306 (not recommended) and the larger size is fine for
> >RG174, but if you have any, I'd recommend the Teflon equivalent to 174.
> >
> >The center pin solders to the coax center conductor. Use a SMALL tipped
> >soldering iron. They intend that the shield be crimped. If you use Teflon
> >cable you can solder it. Otherwise it can be easily crimped with pliers
> >if you don't have the proper tool. I'd suggest you use some heat-shrink
> >tubing over the crimped area, bot to make it look better and to provide
> >some strain relief.

I did mine with the teflon coax, and it was an ABSOLUTE BREEZE. Plus, if
you
just tack down the "lid" on the MCX, you can re-use it later. I was
initially
worried about the teflon coax being hard to work with, but it's
inability to
melt and make a mess really is worth it.

## 626. Re: [APRSSIG:12745] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 20 May 1997 15:34:21 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970520153332.5931G-100000@arctic>
Rendered body type: text/plain

On Tue, 20 May 1997, Dave VanHorn wrote:

> Wouldn't a tracker already have the absolute time from GPS?
> Or is that in some other sentence we need to output?

APRSdos REPLY/COMMENT: Yes, that is why APRSdos has the
alt-S-GPS-TIME-SYNC commmand so that you can sync up to it...

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 627. Re: Digi Freqs

From: joefoor@digitalexp.com (Foor, Joe)
Date: Tue, 20 May 1997 09:53:53 -0500
To: aprssig@tapr.org
Message-ID: <3381BB01.2E00@digitalexp.com>
Rendered body type: text/plain

The FREQS.bk file does not have any areas of coverage, for freqs other
than 79. All listings for other freqs are for single, isolated digis.
Consequently, converting the file as described below serves no purpose,
without new data.

Since only one person sent me any data, I have abandoned this task, as a
waste of time.

Joe Foor wrote:
>
> Bob Bruninga wrote:
> >
> > On Sat, 10 May 1997, Foor, Joe wrote about how to convey what FREQS

> > are used by APRS in different areas of the country.
> >
> > > displays, it should be a very simple thing to add a box and label
> > > to the USA.map, or whichever map is appropriate for your country,
> > > with the local 2M frequency, if it is not 145.790.
> > >
> > > I'll be glad to do it.   regards,  Joe kf4dys
> >
> > APRSdos REPLY/COMMENT:  This has arelady been done and for the last
> > 4 years has been included in every copy of APRSdos.  Just
> > FILE-REPLAY the FREQS.BK file.  It has had various names over he
> > years such as FREQS-USA, etc.
> >         BUT it has not been well updated of late because NO ONE ever
> > sends me any updates.  Now that you have volunteered, I would ask
> > that you take the file and re-format it to be a .POS file...  AND
> > with a little creativity, you can make FAKE PHG circles so that one
> > entry will cover large regions of the country without having to have
> > individual entries for every DIGI in the country.
>
> OK... I have looked at a POS file, and it will be just as easy to
> update the freqs.bk file to a POS file.
>
> The more input I get, the more accurate it will be. So, if everyone on
> the sig would take two minutes to cut & paste the digis position
> packets from their current backup.bk file, into a message to me, with
> the frequency they were using, I'll get on it.
>
> It is most critical that I hear from everyone, who hears an APRS digi
> that is on some frequency other than 145.790.
>
> Send the messages to me at;
>
>     joefoor@digitalexp.com
>
> regards,
> Joe kf4dys

--
regards,
Joe KF4DYS  (I just do it all for fun now)
---------------------------------------
Miniature Repair Technician(retired), Electronics Instructor(retired),
Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired),
Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired),
Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 628. Re: [APRSSIG:12742] Re: GPS20 antenna cable options

From: Gary Sanders <gsanders@gte.net>
Date: Tue, 20 May 1997 16:23:51 -0400
To: aprssig@tapr.org
Message-ID: <33820857.4A5D@gte.net>
Rendered body type: text/plain

Tom Clark -- W3IWI wrote:
>
> The right angle MCX connectors are readily available from DigiKey (check
> http://www.digikey.com or call 1-800-digikey). They have two sizes. The
> smaller is for RG306 (not recommended) and the larger size is fine for
> RG174, but if you have any, I'd recommend the Teflon equivalent to 174.
>
I ordered some of the MCX's from DigiKey, and should receive them
tomorrow.
I also ordered some Solder type BNC's for RG-316, and I'll use a
bulkhead
fitting on the back panel of the box.

I guess my 100 Watt Weller gun isn't the tool of choice :-)!

>
> 73 de Tom, W3IWI


By the way, while I was at it I built up the TAC - Lite circuit you
described on your Web site.  In true ham tradition, I changed a few
things.
I used a 74LS04 for the inverter/buffer, 'cause I had it on hand, and
used a
MAX232 to develop the DCD for the same reason.  Works great, although
I'm

sure the timing is probably not optimum due to the changes. Thanks much
for the great project.

Gary     WB0BZR
gsanders@gte.net

## 629. Hurricane Thor simulated exercize.

From: "Jacques C. VOISIN" <jvoisin@nebula.ispace.com>
Date: Tue, 20 May 1997 16:29:07 -0400
To: <aprssig@tapr.org>
Message-ID: <199705202128.QAA14745@nebula.ispace.com>
Rendered body type: text/plain

Hi to all on the sig,
Today ARES/RACES of Orange County, FL participated in this exercize along
with Seminole County ARES/RACES. We used APRS to simulate the opening of
shelters in the area and pass one liner traffic. Even if the procedure
needs some fine tuning and this is the purpose of those exercizes
everything worked great at the local level and Emergency Management and the
Red Cross where quite impressed with the possibilities and the information
APRS can provide in a real emergency. As the hurricane season is only a
week away now is the time to fix the little bugs mainly deaf ears. We have
a POS file that list all the primary shelters in the Orlando area and only
emrgency coordinator or the Red Cross can uplink the open shelters for all
station to see. I will work on some procedures for our organisation that I
will post on the sig for comments

Jacques Voisin, KD4TWB
Orlando, FL, U.S.A.
ARC Communication Chairman
jvoisin@nebula.ispace.com
http://nebula.ispace.com/~jvoisin/kd4twb.html

## 630. Re: Mic-E GPS Output

From: "Ronald G. Parsons" <w5rkn@amsat.org>
Date: Tue, 20 May 1997 21:37:33 +0000
To: aprssig@tapr.org
Message-ID: <3382199B.7A22@amsat.org>
Rendered body type: text/plain

Donald R Froula wrote:
>
> After examining the Mic-E documentation, I'm unclear on one point.
> Perhaps
> someone on the list can supply the information.
>
> If an internal GPS is installed, is the data output from the GPS
> available
> at the transmit data line of the DB-9 and/or stereo 1/8" jack?  The docs
> seem to indicate that the transmit data line is only used for
> programming in
> personality data to the PIC chip.
>
> Availability of the GPS data would be useful for connecting a PC running
> APRS in the car, while still allowing locations to be transmitted to
> others.

>From the Mic-E schematic, the output of an internal GPS will appear both
on the ring og the stereo jack and pin 3 of the DE-9.

--
Ron W5RKN

also:
rparsons@bga.com

## 631. Tripmate deals

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 20 May 1997 17:54:58 -0500
To: aprssig@tapr.org
Message-ID: <33822BC2.754A@mindspring.com>
Rendered body type: text/plain

The Delorme Tripmate deals are getting better all the time. I got my
first one as an upgrade to SA4 for $125.00, then last week i received an
offer with a code number to upgrade Map&go but in the same brochure was
an offer for SA4/Tripmate for $125.00 so i took them up on the offer and
received my second SA4 and Tripmate for $125.00 but this time they also

included the power cable set that normally sells for $39.00+ SH. By the
way SA4 will now also work with several other GPS models like the
Magellan if you download their upgrade from their web site. It works
great with my Magellan NAV-5000DX that i could never get to work with a
KPC-3. If you want a cheap way to go for a standalone tracker this is
the way to go.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 632. Win 2.0

From: kd4emi@juno.com (Michael A. Kantor)
Date: Tue, 20 May 1997 19:32:39 -0400
To: aprssig@tapr.org
Message-ID: <19970520.193240.12230.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ive just about given up on win 2.0

I came home today to see  my win 95 system locked up.
Missed the drill for hurricane Thor..Geez...

Anyone hear from sproul bros ?
I guess they must be working on it.

Too bad though, I liked the map menu format with dos maps etc etc

Mike
KD4EMI@JUNO.COM

## 633. Re: [APRSSIG:12758] Win 2.0

From: Doug Wetzel <dwetzel@earthlink.net>
Date: Tue, 20 May 1997 16:53:11 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970520165310.00692e7c@earthlink.net>
Rendered body type: text/plain

Is this just an hf issue?  I have been running WinAPRS2.0 continuously on
both my machines since it was uploaded without a problem...although I'm
only on vhf...

P166 with 64Meg memory
P120 laptop with 48Meg memory

Doug
K7IP

At 06:35 PM 5/20/97 -0500, you wrote:
>Ive just about given up on win 2.0
>
>I came home today to see  my win 95 system locked up.
>Missed the drill for hurricane Thor..Geez...
>
>Mike
>KD4EMI@JUNO.COM
>
>
>

## 634. Re: [APRSSIG:12745] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 20 May 1997 19:29:04 -0500
To: aprssig@tapr.org
Message-ID: <338241D0.32ED@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> > On Tue, 20 May 1997, William Nolle wrote:
> > It seems like anything runn8ing portable like WX stations or Trackers
> > have problems running with APRS. I just got a message from N4NEQ that
> > states a portable tracker will always show grey (Is this true????)
>
> APRSdos REPLY/COMMENT:  Yes, for over a year, anything that cannot send
> and receive APRS messages are a light gray.  Still quite visible.  Dark
> gray is for those that have not been heard in over 2 hours.  At any time
> you can bring them back to life with the CONTROLS-FILTERS-FADE command...

>

Man i totally disagree with this, they are hard to see, even harder once tracking since they then turn a dark blue. I haven't noticed this since i haven't had a tracker for a while. Why was this changed?. Who come up with these ideas of all the gray and dark gray icons, nearly half of all trackers and stations on my maps are always gray and dark gray, and yes my system has the correct time. It looks to me like anything portable is being frowned upon these days and made harder to setup and use from the way it used to be. There must be other registered APRS users out there that don't like their trackers showing with this hard to see gray & dark blue, and also with portable WX stations that don't show rainfall etc (Altough i think this is beeing fixed). Why can't we pick a brighter color like yellow or whatever for the standalone tracker Bob.I  see more of the gray then i see trackers that use computers. If i'm going to start using a standalone tracker what was the latest version that still showed them where a person could tell it was a GPS standalone tracker so i can go back to that version. If users don't like standalone APRS equipment why don't they say so. I know i'm going to get some flames from this so you better get me with the first shot Hi.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 635. Re: [APRSSIG:12743] WinAPRS Crashes

From: bob <w2g3zfj@unix.asb.com>
Date: Tue, 20 May 1997 20:30:22 -0400
To: aprssig@tapr.org
Message-ID: <3382421E.34DA@unix.asb.com>
Rendered body type: text/plain

Hi Bill

This is normal for winAPRS. Despite persevering for many many months it still crashes every couple of days.

Inspite of all that though I still use it all the time as the multiple windows are very helpfull.

All I can say is that its still worth $60 even though its not quite robust (yet).

By the way I run it on a Pentium  with win95 and 24Mb RAM and it still behaves the same as it did with a 486 and win3.1 so don't expect a big improvement if you do migrate!

At the moment I re-boot every day as the log file function still isn't working and I need the log file to upload to my javapage so I'm immune to the crashing (usually) although just as I type this it crashed!

73 de bob


Bill Carreira [N1NFC] wrote:
>
> Hi fellow siggerrs,
> I am trying patiently to run the subject program because so far I
> really like it. I am holding off spending the 60 bucks to register it
> because i cant keep it running more than 24 hours without dying.
> My system consists of a 486SX20 8meg ram with WIN 3.1 installed. I do
> have the proper WIN32s.dll files installed and tested. At times it
> comes up with the following error on startup:
>
> Unhandled exception: c0000005
> At Address:               85c9fbaf
> Top of Stack:             00064be4
>
> I also got the same error exactly 24 hours later after startup when
> trying to access the memory function under the Lists heading.
> I selected the option and it came up blank. I tried to change maps
> and tried to get the info again. At this time the error popped up.
>
> Any info out there? I suppose my computer may be to old to handle
> this program. If that's the answer I need to know. I will continue to
> use my DOS stuff with it until I can get another Windows 95 machine.
>
> Thanks for your Help.

> 
> 73
> 
> Bill Carreira Jr.    Email:n1nfc@callsign.net
> LT  NREMT-I               :n1nfc@hotmail.com
> KINGSLAND FIRE RESCUE AMPR:n1nfc@ampr.america.com
> Kingsland, GA 31548
> Phone:912-729-5287
> http://www.eagnet.com/edipage/user/n1nfc/n1nfc.htm
> http://www.eagnet.com/edipage/areaserv/kfd/kingsland.htm
> 
> "The fire pentahedron consists of: Oxygen, Heat, Fuel, Chemical
> Chain Reaction, and the Chief. Take any one of the 5 away and the
> fire goes out!"

--
bob w2/g3zfj

mailto: w2g3zfj@unix.asb.com

javAPRS page and other good stuff

http://www.asb.com/usr/w2g3zfj/aprs1.htm

==========

## 636. WinAPRS update

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Tue, 20 May 97 20:34:23 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.864174863.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

Yes, we the Sproul brothers are back from Dayton, and are aware of the
problems with WinAPRS 2.0 and MacAPRS 3.0.

We are very busily working on this and will have a new version up on the net
soon.

There have been major underlying changes in converting from 'C' to 'C++'. In
the long run, this will be a much better system. In the short run, version
2.0 has problems.  We apologize about this and will have them fixed as soon
as possible.


We hope to have a new version up this weekend.

Thank-you for your support and  for your patience.

Keith and Mark Sproul

Keith Sproul                              Ham Radio: WU2Z
Student Housing Network Coordinator       ksproul@noc.rutgers.edu
Rutgers University Computing Services     908 445-3695 Work  908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/       908 821-4828 Home

## 637. Re: [APRSSIG:12759] Re: Win 2.0

From: bob <w2g3zfj@unix.asb.com>
Date: Tue, 20 May 1997 20:34:20 -0400
To: aprssig@tapr.org
Message-ID: <3382430C.7A46@unix.asb.com>
Rendered body type: text/plain

Interesting point!

I run a 24hr/7 day GATE station and perhaps it something to do with hf.
The longest I ever got it to run was 5 days (with any version).

73 de bob


Doug Wetzel wrote:
> 
> Is this just an hf issue?  I have been running WinAPRS2.0 continuously on
> both my machines since it was uploaded without a problem...although I'm
> only on vhf...
> 
> P166 with 64Meg memory
> P120 laptop with 48Meg memory

> 
> Doug
> K7IP
> 
> At 06:35 PM 5/20/97 -0500, you wrote:
> >Ive just about given up on win 2.0
> >
> >I came home today to see  my win 95 system locked up.
> >Missed the drill for hurricane Thor..Geez...
> >
> >Mike
> >KD4EMI@JUNO.COM
> >
> >
> >

--
bob w2/g3zfj

mailto: w2g3zfj@unix.asb.com

javAPRS page and other good stuff

http://www.asb.com/usr/w2g3zfj/aprs1.htm

==========

## 638. Re: [APRSSIG:12758] Win 2.0

From: Jeff Brenton <jeffb@stans.com>
Date: Tue, 20 May 1997 19:41:55 -0500
To: kd4emi@juno.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <338244D3.4620@stans.com>
Rendered body type: text/plain

Mike, what error was displayed?

I've been forwarding bug reports to Mark and Keith on a regular basis,
and Mark replied to me today to request my logs on a repeatable error
(actually, a couple of them) that would crash the system. They also know
about versions 1.4.5 and later (possibily others) crashing when a 4096
mile (or wider) query comes in (VHF or HF, may depend upon map in use
and zoom factor).

It is VERY important to narrow down as much as possible the
circumstances that lead up to a crash. If possible, turn on APRS logging
each time you start the program (or make it automatic if you're
registered), and try loading the log that was created by the session
that crashed - does it crash when the log finishes loading? If so, what
was the last packet received before the crash?

Some of the ones I've sent them seem to be dependent upon the call sign
of the station being monitored, i.e., I've got two weather stations with
my call sign that graph differently from other weather stations, and
will cause a crash of 2.0.0 if you try to view the history after
midnight.

I, too, love the maps, compared to APRS for DOS, and have been
disappointed with the somewhat fragile nature of WinAPRS in certain
circumstances. But, localizing those circumstances is the only way to
eliminate them, folks!

de KA9VNV

Michael A. Kantor wrote:
> Ive just about given up on win 2.0
>
> I came home today to see  my win 95 system locked up.
> Missed the drill for hurricane Thor..Geez...

## 639. can i use trapmate gps for aprs

From: rwillis <rwillis@i-2000.com>
Date: Tue, 20 May 1997 21:00:15 -0400
To: aprssig@tapr.org
Message-ID: <3382491F.4ECC@i-2000.com>
Rendered body type: text/plain

i am intrested in knowing if i can use delorme tripmate gps for aprs
if not what are some of the units being used for this what is the best

way to go??? tnx de rick Wa2rsw

## 640. Re: [APRSSIG:12747] Re: APRS Tracker

From: Richard Amirault <amirault@shell1.tiac.net>
Date: Tue, 20 May 1997 21:19:44 -0400 (EDT)
To: APRS sig group <aprssig@tapr.org>
Message-ID: <Pine.BSF.3.95q.970520211711.27136A-100000@shell1.tiac.net>
Rendered body type: text/plain

On Tue, 20 May 1997, rwf wrote:
>
> Stand alone trackers are always gray  (light gray) because there is no
> computer connected.

Not always! If a stand alone tracker uses RMC strings then it will *not*
show as gray.

Any APRS station that is not activly running APRS on a computer (home or
tracker) never shows as white.

Richard Amirault              N1JDU            Boston, Massachusetts USA
amirault@tiac.net        "Go Fly A Kite"

## 641. Bug found

From: kd4emi@juno.com (Michael A. Kantor)
Date: Tue, 20 May 1997 22:59:15 -0400
To: aprssig@tapr.org
Message-ID: <19970520.225915.9582.7.KD4EMI@juno.com>
Rendered body type: text/plain

I hate to admit it, but the lightning detector was locking up the WIN 2.0
program, as it just happened in front of me while I was sending last msg
!  I think that the way WIN aprs 2.0 handles messages and tnc init may be
different. Will play some more.

The lightning detector interface is easy to make, and this week will type
up some stuff with a picture and maybe some website might want to include
it (?)

Mike
Kd4EMI@JUNO.COM

## 642. Re: [APRSSIG:12765] can i use trapmate gps for aprs

From: kd4emi@juno.com (Michael A. Kantor)
Date: Tue, 20 May 1997 22:40:47 -0400
To: rwillis@i-2000.com
Cc: aprssig@tapr.org
Message-ID: <19970520.225915.9582.4.KD4EMI@juno.com>
Rendered body type: text/plain

On Tue, 20 May 1997 20:08:47 -0500 (CDT) rwillis <rwillis@i-2000.com>
writes:
>i am intrested in knowing if i can use delorme tripmate gps for aprs
>if not what are some of the units being used for this what is the best
>way to go??? tnx de rick Wa2rsw
>


I love my tripmate...It tracks very well, even when I am downtown FTL
surrounded by lots of buildings.

It's rugged and has lasted outside for 6 months, and 10,000 miles
(Trip to vegas and back etc etc)
I highly reccomend it, you just have to do some work with the wiring of
it.
And if it was stolen, it's still one of the cheapest GPS around.
Mike
KD4EMI

## 643. New "APRS" type program

From: kd4emi@juno.com (Michael A. Kantor)
Date: Tue, 20 May 1997 22:54:52 -0400
To: aprssig@tapr.org
Message-ID: <19970520.225915.9582.6.KD4EMI@juno.com>
Rendered body type: text/plain

Ive finished writing a little ditty of a program that I would like to
distribute

for eval/ beta testing

Here is what it does and if anyone has some suggestions I'll try to work on them.

I like the alarm functions on aprs (radar). My girlfriend knows when to start dinner and when I am almost home. When I sometimes go to pick her up, she would like to know when I almost there, so I wrote a program to read the GPS strings on the aprs network. She has a beeper, and a phone.

The program, which does not repeat DOES NOT "PATCH" on aprs, but runs on it's own, reads all the position strings on the net. Before I leave, I enter the lat/long of my destination, as well as intercept distance. (I know where she is cause I go there to meet her all the time) When (or if) the computer reads my position as within 5 miles of her , it calls her beeper and sends a 5.  Then she know's I am almost there. It also works with my Mother in law to be. The computer beeps her when we aproach the house. IT's kinda neat, and works as long as it gets the string at around 5 miles from my destination.  The program has no display other than text, and is quite boring, other than it does what it is supposed to do. It is sstill kinda clunky though. I am looking for anyone that might contribute any ideas to modify this or think of something that I overlooked. Since it reads the callsign and gps string, it works pretty well, but if your xmit your position as you pull up, I'll walk in and here the beeper go off !

Any supplemental ideas would be of help b4 I post on tapr.

Thanks
Mike

## 644. Re: [APRSSIG:12762] WinAPRS update

From: kd4emi@juno.com (Michael A. Kantor)
Date: Tue, 20 May 1997 22:43:14 -0400
To: ksproul@hardees.rutgers.edu
Cc: aprssig@tapr.org
Message-ID: <19970520.225915.9582.5.KD4EMI@juno.com>
Rendered body type: text/plain

Just for the record I love WIN APRS!!  (2.0 is a little frustrating though )
Just a little buggy and needs some work, which I totally understand and look forward to fixes. Each version takes leaps in the right direction.
Growing pains are normal and expected
Glad you guys are back at it.

Mike

On Tue, 20 May 1997 19:47:14 -0500 (CDT) Keith Sproul <ksproul@hardees.rutgers.edu> writes:
>
>Yes, we the Sproul brothers are back from Dayton, and are aware of the
>problems with WinAPRS 2.0 and MacAPRS 3.0.
>
>We are very busily working on this and will have a new version up on
>the net
>soon.
>
>There have been major underlying changes in converting from 'C' to
>'C++'. In
>the long run, this will be a much better system. In the short run,
>version
>2.0 has problems.  We apologize about this and will have them fixed as
>soon
>as possible.
>
>
>We hope to have a new version up this weekend.
>
>Thank-you for your support and  for your patience.
>
>Keith and Mark Sproul
>
>Keith Sproul                              Ham Radio: WU2Z
>Student Housing Network Coordinator       ksproul@noc.rutgers.edu
>Rutgers University Computing Services     908 445-3695 Work  908
>445-2968 Fax
>http://www-ns.rutgers.edu/~ksproul/       908 821-4828 Home

>
>

## 645. RE: [APRSSIG:12761] Re: WinAPRS Crashes

From: Jerry Rector <jerryr49@magg.net>
Date: Tue, 20 May 1997 23:14:24 -0400
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <01BC6573.908F8320@pm3-ppp-018.magg.net>
Rendered body type: text/plain

No problems whatsoever here...4 days non-stop..it's plenty robust for me.
Jerry - KB4OAM

---

From: bob[SMTP:w2g3zfj@unix.asb.com]
Sent: Tuesday, May 20, 1997 8:39 PM
To: aprssig@tapr.org
Subject: [APRSSIG:12761] Re: WinAPRS Crashes

Hi Bill

This is normal for winAPRS. Despite persevering for many many months it
still crashes every couple of days.

Inspite of all that though I still use it all the time as the multiple
windows are very helpfull.

All I can say is that its still worth $60 even though its not quite
robust (yet).

By the way I run it on a Pentium with win95 and 24Mb RAM and it still
behaves the same as it did with a 486 and win3.1 so don't expect a big
improvement if you do migrate!

At the moment I re-boot every day as the log file function still isn't
working and I need the log file to upload to my javapage so I'm immune
to the crashing (usually) although just as I type this it crashed!

73 de bob

Bill Carreira [N1NFC] wrote:
>
> Hi fellow siggerrs,
> I am trying patiently to run the subject program because so far I
> really like it. I am holding off spending the 60 bucks to register it
> because i cant keep it running more than 24 hours without dying.
> My system consists of a 486SX20 8meg ram with WIN 3.1 installed. I do
> have the proper WIN32s.dll files installed and tested. At times it
> comes up with the following error on startup:
>
> Unhandled exception: c0000005
> At Address: 85c9fbaf
> Top of Stack: 00064be4
>
> I also got the same error exactly 24 hours later after startup when
> trying to access the memory function under the Lists heading.
> I selected the option and it came up blank. I tried to change maps
> and tried to get the info again. At this time the error popped up.
>
> Any info out there? I suppose my computer may be to old to handle
> this program. If that's the answer I need to know. I will continue to
> use my DOS stuff with it until I can get another Windows 95 machine.
>
> Thanks for your Help.
>
> 73
>
> Bill Carreira Jr. Email:n1nfc@callsign.net
> LT NREMT-I :n1nfc@hotmail.com
> KINGSLAND FIRE RESCUE AMPR:n1nfc@ampr.america.com
> Kingsland, GA 31548
> Phone:912-729-5287
> http://www.eagnet.com/edipage/user/n1nfc/n1nfc.htm
> http://www.eagnet.com/edipage/areaserv/kfd/kingsland.htm
>
> "The fire pentahedron consists of: Oxygen, Heat, Fuel, Chemical
> Chain Reaction, and the Chief. Take any one of the 5 away and the

> fire goes out!"

--
bob w2/g3zfj

mailto: w2g3zfj@unix.asb.com

javAPRS page and other good stuff

http://www.asb.com/usr/w2g3zfj/aprs1.htm

==========

## 646. Re: [APRSSIG:12766] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 20 May 1997 22:20:10 -0500
To: aprssig@tapr.org
Message-ID: <338269EA.4C90@mindspring.com>
Rendered body type: text/plain

Richard Amirault wrote:
>
> On Tue, 20 May 1997, rwf wrote:
> >
> > Stand alone trackers are always gray  (light gray) because there is no
> > computer connected.
>
> Not always! If a stand alone tracker uses RMC strings then it will *not*
> show as gray.
>
> Any APRS station that is not activly running APRS on a computer (home or
> tracker) never shows as white.
>
> Richard Amirault              N1JDU            Boston, Massachusetts USA
> amirault@tiac.net        "Go Fly A Kite"

Not true either, my tracker is running with the RMC string and does show
gray.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 647. Stand Alone Tracker

From: Rob Swanson <rswanson@csinet.net>
Date: Tue, 20 May 1997 23:17:12 -0500
To: aprssig@tapr.org
Message-ID: <33827748.6521@csinet.net>
Rendered body type: text/plain

Hello,

I finally got myself a laptop (IBM Thinkpad 760c)
So I think it is time to get a tracker put together.
I have three radios all I have setup for packet.
I have one KPC-3. I plane to get on the Tripmate +SA4 deal.
So what I need is for someone to point me in the direction
of a web page that has the info on how to get it to work.
mostly wiring, and settings for the KPC-3.

Also I have a HSP cable from Kantronics only thing is the
Laptops comport is 9 pin the HSP cable is 25 pin.
Does using a 25 to 9 pin adaptor cause any problems?

N9RVR
Rob Swanson
La Porte IN.

## 648. Re: New "APRS" type program

From: Wes Johnston <kd4rdb@usa.net>
Date: Wed, 21 May 1997 00:35:45 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521002937.006b9690@coca.net>
Rendered body type: text/plain

>the computer reads my position as within 5 miles of her , it calls her
>beeper and sends a 5.  Then she know's I am almost there. It also works

>with my Mother in law to be. The computer beeps her when we aproach the

So what do you beep the mother in law with?  666? <grin>

Seriously, I have wanted something like this in a PIC.  I don't think it's
cool to run the laptop while driving, and would like a little dash mounted
display with a "knob" that would allow me to "flip" thru the callsigns
recently heard, and show the distance, and approx direction (north, west,
south-east, etc).  That way I'd know if my buddy with a tracker in his car
was home or not.  Would also be interesting in fox hunts... two base
stations figure out where a stuck xmiter is, and create an object called
FOX using APRS at it's projected location.  Then I just flip thru the
recent stations till i find "fox", and see that it's 6 miles north of my
position.  As I drive, the distance and direction to that FOX would be
updated on the screen.   Hmmm.... how about a version of your program that
would show that information on a HUGE display on the laptop... I mean like
in a DOS "homebrew" font that is like 8 or 10 lines high.  That way I don't
have to look away from the road but for a second.

well, that's my ramblings for a tonight.....

73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 649. Re: [APRSSIG:12760] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 20 May 1997 23:50:45 -0500
To: aprssig@tapr.org
Message-ID: <33827F25.3F9@mindspring.com>
Rendered body type: text/plain

Jim Duncan, KU0G wrote:
>
> I'VE NEVER SEEN A VERSION WHERE A STAND-ALONE TRACKER SHOWED UP AS
> ANYTHING OTHER THAN LIGHT GREY OR LIGHT BLUE (INDICATES A VALID $GPRMC
> SENTENCE WAS RECEIVED).  SEEMS THAT THE REST OF THE APRS WORLD > > ACCEPTED THIS AS THE DE FACTO
STANDARD...
>
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group
> Rogue Squadron Storm Chasers
> EMail:  ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
> BorgNet: 1st of 10

YOU ARE SO WRONG OR YOU HAVE NOT BEEN USING APRS AS LONG AS YOU WOULD
LIKE ME TO BELIEVE!. I HAVE RUN MANY VERSIONS THAT THE STAND ALONE
TRACKERS WHERE THE SAME COLOR AS THE ONES ARE NOW THAT USE COMPUTERS
WITH THEIRS, AND WHAT'S WRONG WITH HAVING THEM STILL THE SAME AS THOSE,
WHO CARES TO KNOW IF THE TRACKER IS HOOKED TO A COMPUTER OR NOT AND WHY
SHOULD THEY HAVE DIFFERENT COLORS ANYWAY. JUST MY POINT OF VIEW. BY THE
WAY IT'S UPPERCASE FOR CLARITY AND I'M NOT YELLING. CHECK WITH BOB ON
WHAT THE COLOR OF A STANDALONE TRACKER USED TO BE.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 650. Re: [APRSSIG:12730] Re: connectivity problems.

From: Byron Smith <wa6ylb@theworks.com>
Date: Tue, 20 May 1997 21:12:13 -0800
To: kd4uyr@gte.net
Cc: aprssig@tapr.org
Message-ID: <3.0.1.16.19970520211213.091786ee@theworks.com>
Rendered body type: text/plain

---much snipped------
>And just a general comment for WIDE digi owners.....Wide digi's should
>ALWAYS be set with CONOK to OFF...no one should be able to connect to a
>stand alone digi...it interrupts the flow of traffic.
----more snipped---------

Well, yes and no on the conok off. yes, one could do this, but we did something better than that.  We enabled the personal mail box. (yea, before FLAMING -read on)
What we did, after installing the TNC200 softare from paccomm, was to set Ctext to say, that "this isnt a node - for more info read MSG 1 on wa6ylb-7" which is the callsign of the wa6ylb-3 aprs digi mailbox.  Then we also turned on CDISCmsg to disconnect the user
from the main MYCALL of wa6ylb-3.  When the user connects to the PMS, he has the option of reading msg 1, which tells where the digi is (in NON GPS terms) and gives a bit of info about the tnc(radio type & power out, tnc type, software in tnc, and how to contact SYSOP etc - kinda like having a sysop around all the time to answer FAQ about the digi. Then, as a added bonus, the user can ask for the "heard" list, that the digi hears. Cool to find other hilltops/users that may not have actually digi'd thru this hilltop. Anyway, a much more informative solution than a simple DISC msg, with a unanswered question to that user. I believe its *always* better to *inform*  users than to bewilder them.

Byron Smith
wa6ylb@theworks.com
wa6ylb@wa6ylb.#cca.ca.usa.noam

... Do radioactive cats have 18 half-lives?

## 651. Re: APRS Tracker

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Tue, 20 May 1997 22:43:23 -0700
To: wa8inz@mindspring.com, aprssig@tapr.org
Message-ID: <3.0.32.19970520224319.006ab880@mailhost.primenet.com>
Rendered body type: text/plain

>Jim Duncan, KU0G wrote:
>>
>> I'VE NEVER SEEN A VERSION WHERE A STAND-ALONE TRACKER SHOWED UP AS
>> ANYTHING OTHER THAN LIGHT GREY OR LIGHT BLUE (INDICATES A VALID $GPRMC
>> SENTENCE WAS RECEIVED).  SEEMS THAT THE REST OF THE APRS WORLD > > ACCEPTED THIS AS THE DE FACTO STANDARD...
>>

I have to agree with Bill (WA8INZ).  The light gray is hard to see, and several local stand-alone units putting out RMC sentences show up as gray here in Phoenix.  They are putting out the correct time and my computer is set to the correct time.

Although I've remained silent this far, the fact that my car icon is gray continually is annoying and I would prefer a different color.  To me, gray means old data.

73,

Mark
KC7BXS

## 652. Re: [APRSSIG:12752] Re: APRS Tracker

From: Byron Smith <wa6ylb@theworks.com>
Date: Tue, 20 May 1997 21:44:37 -0800
To: aprssig@tapr.org
Message-ID: <3.0.1.16.19970520214437.2d4ff722@theworks.com>
Rendered body type: text/plain

At 02:33 PM 5/20/97 -0500, you wrote:
>On Tue, 20 May 1997, Dave VanHorn wrote:
>
>> Wouldn't a tracker already have the absolute time from GPS?
>> Or is that in some other sentence we need to output?
>
>APRSdos REPLY/COMMENT: Yes, that is why APRSdos has the
>alt-S-GPS-TIME-SYNC commmand so that you can sync up to it...
>
Then I wonder why APRSdos doesnt automatically use any (GPS) time it hears and updates your clock in the computer.  It really doesnt matter to APRS what the local time offset is if it corrects the master clock within the computer to UTC.  If the APRSdos user wants to see the local time, then he/she sets the correct offset within APRS.
This would make a tracker set everyones clock in APRS PC's. If the GPS time is within a minute or two of the computers time, dont bother to reset the computer.  I know in this area, each day, reguardless of when a APRS station fires up, its bound to hear a tracker announcing the correct time

anyway. It sure would "auto correct" all aprs stations that have heard a
tracker.  Neet to get all players sync'd to the same basic time in the
immediate area. Even stations in seperate areas would sync to trackers in
their areas.

Byron Smith
wa6ylb@theworks.com
wa6ylb@wa6ylb.#cca.ca.usa.noam

... Do radioactive cats have 18 half-lives?

## 653. Re: [APRSSIG:12734] Re: NADSD

From: "Just your average ordinary SUPER DUPER *NICE* guy!!!  :-)" <patcook@dimensional.com>
Date: Wed, 21 May 1997 00:24:47 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521002132.22307B-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 20 May 1997, Bob Bruninga wrote:

> Steve is right.  It doesnt make sense for 100 of us to go through the
> registration process to submit data into the TAPR Digital data base, but
> it would make sense for us to locate someone in each of the nominal APRS
> regional areas to be the DIGI COORDINATOR.  Here are the regions:
>
> 1) EAST
> 2) SEAST
> 3) MIDWEST
> 4) CENTRAL
> 5) WEST
>
> Any volunteers?

A better idea would be for stations in EACH call district (and in each
state in these districts) to appoint or designate someone to submit this
data to TAPR!!

Just my humble opinion.....  :-)

Patrick, KB0OXD
Denver, Colorado

## 654. Current Garmin GPS 12 XL Software Version???

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Tue, 20 May 1997 23:26:07 -0700
To: aprssig@tapr.org
Message-ID: <3382957F.1606F5A9@bigfoot.com>
Rendered body type: text/plain

Does anyone know what the current software version is supposed to be in
the GPS 12 XL.  I picked one up last Sunday and it says Ver 2.02 but I
think it may have been returned.

Thanks
--
**********
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
**********

## 655. Re: [APRSSIG:12745] Re: APRS Tracker

From: "Just your average ordinary SUPER DUPER *NICE* guy!!!  :-)" <patcook@dimensional.com>
Date: Wed, 21 May 1997 00:46:25 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521004145.22307E-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 20 May 1997, Bob Bruninga wrote:

> On Tue, 20 May 1997, William Nolle wrote:
>
> > I see a lot of stations on the map 20% that show GRAY i know i may
> > not have been reading all the changes for each version and may have
> > missed this one.

>
> APRSdos REPLY/COMMENT:  Yes, APRSdos now relies on the SENDERS time stamp
> to determine the age of a position report.  If the SENDERS time is not
> correct in DATE, TIME or ZONE, then he will be dark gray if he is off
> by more than 2 hours.   Therefore we must start getting everyone to use
> THE CORRECT TIME!

Is this in UTC or local time, Bob???  Also.....

> See DAYTON almost LIVE:  http://web.usna.navy.mil/~bruninga/dayton.html

How can one see an event such as HamVention almost LIVE *IF IT'S ALREADY
OVER*????   Are these just screen captured files on disk???  (Reason I ask
is that I dunno because I don't have image viewing capability yet)

Patrick

## 656. Re: [APRSSIG:12746] Re: Balloon Report

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 21 May 1997 01:00:45 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521005739.22307J-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 20 May 1997, Bob Bruninga wrote:

> On Tue, 20 May 1997, Roy Bost wrote:
>
> > I am seeing WA4WY-11 on the first wide in his path of wide,wide. His
> > position is over 400 miles from this QTH.>
>
> APRSdos REPLY/COMMENT:  In general, I dont think that is a good path to
> use for balloons.  From its altitude, it will hit EVERY WIDE anyway, so
> the second WIDE is just DOUBLING QRM...   We need to get this point across
> to all balloon launchers...

I passed this along to Lloyd Plush, KB0MQQ who may have some contacts
within the Edge Of Space Sciences (EOSS) group, which is the balloon-
launching group here, for their information.  :-)

73's for now my friends!!  :-)

Patrick, KB0OXD
Denver, Colorado

## 657. << Pse HELP on TNC file >>

From: iw3gpo@ham.shineline.it
Date: Wed, 21 May 1997 09:02:22 utc
To: aprssig@tapr.org
Message-ID: <40211@ham.shineline.it>
Rendered body type: text/plain

Hi all !! I'm Paolo, IW3GPO from Mogliano Veneto (TV) JN65DN N.Italy !

 ..this is the second msg. abaut my problem..no help was arrive  !

...How I can connect with FTP or TELNET applications my APRS web page to
 ..reload on real time the trip file ( *.TNC)...

..plese the software and the map are ready..If you want to see N.Italy aprs map ....HELP ME !!

73's de Paolo, IW3GPO

## 658. Re: WinAPRS Crashes

From: kc4pod@juno.com (Jeff Buffington)
Date: Wed, 21 May 1997 03:11:08 EDT
To: w2g3zfj@unix.asb.com
Cc: aprssig@tapr.org
Message-ID: <19970521.031118.3718.1.kc4pod@juno.com>
Rendered body type: text/plain

On Tue, 20 May 1997 19:38:37 -0500 (CDT) bob <w2g3zfj@unix.asb.com>
writes:
>Hi Bill
>
>This is normal for winAPRS. Despite persevering for many many months
>it

>still crashes every couple of days.

I just wonder what's causing the crashes...

>Inspite of all that though I still use it all the time as the multiple
>windows are very helpfull.

Definately!

>By the way I run it on a Pentium  with win95 and 24Mb RAM and it still
>behaves the same as it did with a 486 and win3.1 so don't expect a big
>improvement if you do migrate!
>
>At the moment I re-boot every day as the log file function still isn't
>working and I need the log file to upload to my javapage so I'm immune
>to the crashing (usually) although just as I type this it crashed!
>
>73 de bob

I wonder if it's the log file that's causing the crashes?  If your
logging APRS activity, that file could get extremely large in a
relatively short period of time.  Perhaps a routine to automatically save
the log and start a new one at midnight would fix that?  It would be nice
any way, as if power happens to fail, you lose everything.  Speaking of
that..perhaps it should "autosave" every 'n' minutes.  Oh, and since I'm
making a suggestion...if you stop logging, and then restart, does it
append the existing file, or create a new one (overwriting the old)?  If
not, it should.

73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 659. Re: [APRSSIG:12761] Re: WinAPRS Crashes

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 21 May 1997 01:17:38 -0600 (MDT)
To: bob <w2g3zfj@unix.asb.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521011334.22307L-100000@nova.dimensional.com>
Rendered body type: text/plain

On Tue, 20 May 1997, bob wrote:

> Hi Bill
>
> This is normal for winAPRS. Despite persevering for many many months it
> still crashes every couple of days.
>
> Inspite of all that though I still use it all the time as the multiple
> windows are very helpfull.
>
> All I can say is that its still worth $60 even though its not quite
> robust (yet).
>
> By the way I run it on a Pentium  with win95 and 24Mb RAM and it still
> behaves the same as it did with a 486 and win3.1 so don't expect a big
> improvement if you do migrate!

What speed or frequency is your Pentium???  66 Mhz. or 133 Mhz.???

Reason I ask is that I'll be getting a 66 Mhz. Pentium PC and will need to
know so that I don't go wondering "What's wrong??".

> At the moment I re-boot every day as the log file function still isn't
> working and I need the log file to upload to my javapage so I'm immune
> to the crashing (usually) although just as I type this it crashed!

Do you reboot the whole system by hitting CTRL-ALT-DELETE or shutting down
the entire system or what???

Curiously yours,

Patrick, KB0OXD
Denver, Colorado

## 660. Re: APRS Tracker

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 21 May 1997 01:25:05 -0700
To: wa6ylb@theworks.com, aprssig@tapr.org
Message-ID: <3.0.32.19970521012502.00699fec@mailhost.primenet.com>
Rendered body type: text/plain

At 12:51 AM 5/21/97 -0500, Byron Smith wrote:
>At 02:33 PM 5/20/97 -0500, you wrote:
>>On Tue, 20 May 1997, Dave VanHorn wrote:
>>
>>> Wouldn't a tracker already have the absolute time from GPS?
>>> Or is that in some other sentence we need to output?
>>
>>APRSdos REPLY/COMMENT: Yes, that is why APRSdos has the
>>alt-S-GPS-TIME-SYNC commmand so that you can sync up to it...
>>
>Then I wonder why APRSdos doesnt automatically use any (GPS) time it hears
>and updates your clock in the computer.  It really doesnt matter to APRS
>what the local time offset is if it corrects the master clock within the
>computer to UTC.  If the APRSdos user wants to see the local time, then
>he/she sets the correct offset within APRS.

Well, I for one, do not want someone else's GPS automatically setting the time on my computer.  Besides I've seen GPS data being transmitted as a good fix (mostly RMC) where the reported time is way off (and it's not the -7 mountain time zulu offset either)!

Besides most of us have internet access and there are several timesetting programs that are much more accurate than APRS.  I prefer TARDIS.

73,

Mark
KC7BXS

---

## 661. APRS LAN REVISITED

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 21 May 1997 02:22:56 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521022253.00691d00@mailhost.primenet.com>
Rendered body type: text/plain

I stated that I was going to do some investigating on LAN'ing APRS under multiplatforms.  And I have.

Here are some initial results:  NIC's installed on my 486 DX4 100 and 386 DX 33 via 10baseT.  Network setup was straight forward.  486 running WIN95, 386 running DOS/WIN3.11  with Workgroups for Windows and IPX/SPX.  Cabling refresher by Dave VanHorn (thanks, Dave).  BTW the NIC's are Kingston's and the 4 pair lan cable is 14 cents a foot at TriTek (in Phoenix). RJ45 plugs and crimper swiped from work.  I got the cards from Steve, KB0WSV, for free (actually I had to fly to South Dakota to get them).  I've seen Network cards at hamfests for $5...  If you own more than one computer at your house, it's really quite easy (and darn convenient) to network them.  As you can, see it's also inexpensive. Lessee, LapLink for Windows is $95...

I spent about 3 dollars (which was my total outlay!) for LAN cable.  I could've used a spool of telephone wire I had laying around as the system only really uses 4 wires, but I went ahead and "splurged."  More than 2 computers will require a Hub.  I like Linksys Hubs, they are inexpensive, and work well.  I've seen the 5 port model for about $50 on sale.  I have an 8 port version at work and I think that was about $120.

I'm now trying the 30 day trial of ModemShare.  I have yet to get the client to recognize the server and I'm sure it's something stupid I forgot to set up.  Anyway, reading the docs on ModemShare reveals it has a CONFERENCE MODE.  This is supposed to let an entire workgroup on a LAN see and interact with data from a single (or multiple) modems.  It sounds like this is the answer a few people here have been looking for.  Cool.  Now all I have to do is make it work.

When I get ModemShare running I'll report back my findings.

73,

Mark
KC7BXS

## 662. Re: Win 2.0 Crashes

From: Arte Booten <n2zrc@webspan.net>
Date: Wed, 21 May 1997 00:04:06 -0400
To: aprssig@tapr.org
Message-ID: <33827435.450B@webspan.net>
Rendered body type: text/plain

Hi all,

Bob replied with:

>Interesting point!  I run a 24hr/7 day GATE station and perhaps it has
>something to do with hf.  The longest I ever got it to run was 5 days to
>Doug Wetzel's:
>>Is this just an hf issue?  I have been running WinAPRS2.0 continuously
>>on both my machines since it was uploaded without a problem...although
>>I'm only on vhf...

     I'm also only on VHF (although I hear Bob's GATE via one hop) and
have only experienced those crashes "normally" associated with opening
or closing a window ... a syndrome many of us are already conscious of.
--
                  __                  Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___  Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
============================           Local APRS Elmer
  ___'---...______...---'___   (Automatic Position Reporting System)
 (___)      _!__!_      (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.____//   Protector of the Realm of Monster Island
     `````.__'--'__.'''''Cruise Missile Coordinates 4052.71N/07354.06W
             ````
... But those coordinates are deep within the planetoid  ...

## 663. Economical Tracker Setups

From: Nick <nick@cycat.com>
Date: Wed, 21 May 1997 08:57:06 -0400
To: aprssig@tapr.org
Message-ID: <3382F122.7829@cycat.com>
Rendered body type: text/plain

With all this talk of tracker setups, has anyone been using the Tripmate
with the MFJ Data radio?  As far as new equipment goes, it seems that
this would be one of the most economical setups.  What's the experience
with the MFJ Data Radio among sig subscribers?

Keith, KF4BXT
keith.kotch@cycat.com

## 664. Re: [APRSSIG:12777] Re: APRS Tracker

From: rkramer@mergetel.com (Ron Kramer)
Date: Wed, 21 May 1997 14:25:35 GMT
To: aprssig@tapr.org
Message-ID: <3398041a.1503835801@mail.mergetel.com>
Rendered body type: text/plain

On Wed, 21 May 1997 00:44:39 -0500 (CDT), you wrote:

>>Jim Duncan, KU0G wrote:
>>>
>>> I'VE NEVER SEEN A VERSION WHERE A STAND-ALONE TRACKER SHOWED UP AS
>>> ANYTHING OTHER THAN LIGHT GREY OR LIGHT BLUE (INDICATES A VALID $GPRMC
>>> SENTENCE WAS RECEIVED).  SEEMS THAT THE REST OF THE APRS WORLD > >
>ACCEPTED THIS AS THE DE FACTO STANDARD...
>>>
>
>I have to agree with Bill (WA8INZ).  The light gray is hard to see, and

Actually your both wrong.

White indicates the station is running APRS  active with a computer
attached and running APRS program, be it base or mobile.

As soon as the computer operator stops the APRS program then his
tnc sends out to the other stations that the computer is not active
and turns their color from white to light gray. This is also what the
stand alone tracker is, NO computer attached therefore it is light
gray.

Now after Bob's time limit if they do not update the time then they
turn Dark gray, almost black.

And if you don't like the gray's turn them white by using C   F   F
to turn the fade off.

73 de Ron                              Best Regards
Email: rkramer@mergetel.com      ve3mx@mergetel.com
Packet: ve3mx@ve3snp
Web Pages:  APRS  http://www.mergetel.com/~rkramer
Triangle Plastics http://www.mergetel.com/triangle

## 665. Re: [APRSSIG:12766] Re: APRS Tracker

From: rwf <rwf@mindspring.com>
Date: Wed, 21 May 1997 09:27:24 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521092707.007027c8@ccegate.cokecce.com>
Rendered body type: text/plain

What version do you have?  Not any one I have used I guess. The only time
in the past few years I have not seen them gray was on the commercial
version of APRS that Bob modified for me that I used to track Olympic
Helicopters and Motorcycles! They were hard to see on TV (I was sending to
179 Countries) so I asked his Bobness to make them white!

Most of our trackers use RMC and they are GRAY!

At 08:20 PM 5/20/97 -0500, Richard  wrote:
>
>Not always! If a stand alone tracker uses RMC strings then it will *not*
>show as gray.

Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 666. > Need Help on live conn. >

From: iw3gpo@ham.shineline.it
Date: Wed, 21 May 1997 15:23:54 utc
To: aprssig@tapr.org
Message-ID: <40244@ham.shineline.it>
Rendered body type: text/plain

Hi! I'm Paolo Rosin, IW3GPO from Mogliano Veneto -N.Italy
---------------------------------------------------------
Referring .''[..] adding javaprs to web page''

Problem : network connection failure !

....ready javaprs web site of N.Italy a problem on network connection has stop me !
..how I can link the live data stream of my GPS ( or the tnc rx bufffer)
to the data file of the javaprs applet ?
..can I use a stream reading a remote location via TELNET ??

Example : < PARAm name = dataFile1 value="netc:14579:tel 194.20.104.72 >

                .......is it correct ????
..why 14579 ?? ..

                   Any help is aprecied !

               73's de IW3GPO Paolo JN65DN !

P.S.

     as soon as on line with first javaprs from ITALY !!!

## 667. Re: [APRSSIG:12777] Re: APRS Tracker

From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Date: Wed, 21 May 1997 09:42:11 -0400
To: aprssig@tapr.org

Message-ID: <3.0.1.32.19970521094211.0077d8ec@neptune.gsfc.nasa.gov>
Rendered body type: text/plain

At 00:45 21-05-97 -0500, Mark Fellhauer wrote:
[...]
>I have to agree with Bill (WA8INZ).  The light gray is hard to see, and
>several local stand-alone units putting out RMC sentences show up as gray
>here in Phoenix.  They are putting out the correct time and my computer is
>set to the correct time.
>
>Although I've remained silent this far, the fact that my car icon is gray
>continually is annoying and I would prefer a different color.  To me, gray
>means old data.

For what it's worth, I concur. The primary purpose of APRS is to track
moving objects. So they should be most visible even if they're stand
alone trackers. Logically, the never moving QTH's should be the dull
ones, though I don't suggest that. (Reverting to an earlier subject I
missed commenting on, the best use of the bandwidth should be for
reporting these moving object frequently and frequent DGPS updates
if they're available, and the lowest priority to frequent position
bcsts of QTH.)

Bob Kirk
N3OZB

## 668. Re: [APRSSIG:12790] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 21 May 1997 09:00:00 -0500
To: aprssig@tapr.org
Message-ID: <3382FFE0.2D64@mindspring.com>
Rendered body type: text/plain

Ron Kramer wrote:
>
> On Wed, 21 May 1997 00:44:39 -0500 (CDT), you wrote:
>
> >>Jim Duncan, KU0G wrote:
> >>>
> >>> I'VE NEVER SEEN A VERSION WHERE A STAND-ALONE TRACKER SHOWED UP AS
> >>> ANYTHING OTHER THAN LIGHT GREY OR LIGHT BLUE (INDICATES A VALID $GPRMC
> >>> SENTENCE WAS RECEIVED).  SEEMS THAT THE REST OF THE APRS WORLD > >
> >ACCEPTED THIS AS THE DE FACTO STANDARD...
> >>>
> >>
> >I have to agree with Bill (WA8INZ).  The light gray is hard to see, and
>
> Actually your both wrong.
>
> White indicates the station is running APRS  active with a computer
> attached and running APRS program, be it base or mobile.
>
> As soon as the computer operator stops the APRS program then his
> tnc sends out to the other stations that the computer is not active
> and turns their color from white to light gray. This is also what the
> stand alone tracker is, NO computer attached therefore it is light
> gray.
>
> Now after Bob's time limit if they do not update the time then they
> turn Dark gray, almost black.
>
> And if you don't like the gray's turn them white by using C   F   F
> to turn the fade off.
>
> 73 de Ron                          Best Regards
> Email: rkramer@mergetel.com      ve3mx@mergetel.com
> Packet: ve3mx@ve3snp
> Web Pages:  APRS  http://www.mergetel.com/~rkramer
> Triangle Plastics http://www.mergetel.com/triangle

Ron i have been running APRS pretty much since it's beginning and
believe me when i say AT ONE TIME ALL TRACKERS WHERE THE SAME COLOR JUST
LIKE THE ONCE ARE NOW THAT USE A COMPUTER, AND THEY DIDN'T CHANGE
COLORS. I believe that color was CYAN. So hate to say it Ron but your
wrong..

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 669. Re: [APRSSIG:12773] Stand Alone Tracker

From: rwf <rwf@mindspring.com>
Date: Wed, 21 May 1997 10:09:32 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521094258.0076b2d0@ccegate.cokecce.com>
Rendered body type: text/plain

Congratulations!
You are now the owner of one of the few laptops that can be set to not have the dreaded "Laptop Scrunch Syndrome".

On that 760C, remember to go to the Thinkpad Setup area and turn on "Screen Expansion". this will allow DOS applications to use the entire screen. APRSDos never looked better on a Laptop!

But why did you wait to build a tracker until you had a laptop? The tracker was the way to do it WITHOUT a computer. Now you need a Pico Packet (or an HSP adapter)

I have never seen the Kan'tTronics HSP, but if it has a single connector for the PC, just change the plug to a 9 pin. Forget the adapter. Also make sure the adapter circuit gets power from OTHER than pin 6 on the laptop's 9 pin connector! The Thinkpad will not power your HSP, and it must have power. I "steal" it from the TNC on pin 25 (after doing the external power mod).

At 11:26 PM 5/20/97 -0500, you wrote:
>Hello,
>
>I finally got myself a laptop (IBM Thinkpad 760c)
>So I think it is time to get a tracker put together.

<snip>

>Also I have a HSP cable from Kantronics only thing is the
>Laptops comport is 9 pin the HSP cable is 25 pin.
>Does using a 25 to 9 pin adaptor cause any problems?
>
>N9RVR
>Rob Swanson
>La Porte IN.
>
>

## 670. Valid GPS sentences

From: rwf <rwf@mindspring.com>
Date: Wed, 21 May 1997 10:09:32 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521100150.0074ac38@ccegate.cokecce.com>
Rendered body type: text/plain

Bob-

Is anything done with the A or V in the RMC sentence for a GPS attached to the local computer?
It might be nice to know locally when your own GPS was not outputting a good fix.

Also what about somehow flagging as bad (possibly a different color icon or something) posits from a stand alone tracker sending RMC with the status as V instead of A (A-OK as Mr Winingham says). This status may also be in other sentences, but I only really use RMC.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask me how!

## 671. Re: [APRSSIG:12778] Re: APRS Tracker

From: rwf <rwf@mindspring.com>
Date: Wed, 21 May 1997 10:09:33 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521100343.00703230@ccegate.cokecce.com>
Rendered body type: text/plain

He would have to validate that the GPS was sending correct time. Some GPSs
send old junk out when not receiving data (see my previous msg).

At 12:51 AM 5/21/97 -0500, you wrote:
>Then I wonder why APRSdos doesnt automatically use any (GPS) time it hears
>and updates your clock in the computer.

## 672. Re: [APRSSIG:12791] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 21 May 1997 09:06:18 -0500
To: aprssig@tapr.org
Message-ID: <3383015A.5C68@mindspring.com>
Rendered body type: text/plain

rwf wrote:
>
> What version do you have?  Not any one I have used I guess. The only time
> in the past few years I have not seen them gray was on the commercial
> version of APRS that Bob modified for me that I used to track Olympic
> Helicopters and Motorcycles! They were hard to see on TV (I was sending to
> 179 Countries) so I asked his Bobness to make them white!
>
> Most of our trackers use RMC and they are GRAY!
>
> At 08:20 PM 5/20/97 -0500, Richard  wrote:
> >
> >Not always! If a stand alone tracker uses RMC strings then it will *not*
> >show as gray.
>
> Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor
> Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
> rwf@mindspring.com       Atlanta, GA USA
> http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
> My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
> me how!

I say again i don't know how many versions back it was but my tracker i
used showed CYAN all the way and i always used the RMC string, actually
it didn't make any difference what string you used. I would still like
to know what the reasoning behind this was to change it to a very hard
to see gray and then to an even harder to see dark blue. White wouldn't
be bad but what does it take to get that color. I guess Bob could settle
this dispute of when it was changed, i believe i started with version
3.1 or maybe even before that.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 673. Re: [APRSSIG:12786] Re: APRS Tracker

From: clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
Date: Wed, 21 May 97 14:25:44 UTC
To: aprssig@tapr.org, sparkfel@primenet.com
Message-ID: <28658@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

KC7BXS said
> Well, I for one, do not want someone else's GPS automatically setting the
> time on my computer.  Besides I've seen GPS data being transmitted as a
> good fix (mostly RMC) where the reported time is way off (and it's not the
> -7 mountain time zulu offset either)!

In several years of experimenting with GPS for timing, I have >>NEVER<< seen
a properly operating GPS receiver give an incorrect time, even at sub-
microsecond level. The GGA and RMC messages report the time of the last
valid  position fix (NMEA definition), so if the receiver happens to have
lost lock, the reported time might be erroneous. FYI, the $GPZDA message
(available on some receivers, including the Motorola ONCORE and Trimble SK8)]
is the current UTC time that the receiver thinks it is, regardless of the
status of position fixes (again, per NMEA definition).

73, Tom

## 674. javAPRS PROJECT

From: David Dobbins <ddobbins@localaccess.com>
Date: Wed, 21 May 1997 08:28:42 +0100
To: aprssig@tapr.org
Message-ID: <3382A42A.769B@localaccess.com>
Rendered body type: text/plain

For Steve Dimse (Sri sig I'm short of time and don't see his email)

The Vancouver Island Boat Race is gearing up for June 21st and APRS will
be along for the ride, in boats, vehicles, and surveillance aircraft.
Project Coord Roger Attwell/WN7M (rogerwn7m@juno.com) needs help
configuring javAPRS. I don't have the expertise to set him up. Could you
help please (or other SIG member with knowledge).

Thanks, Dave/WH6YC, Pe Ell, WA

## 675. Re: [APRSSIG:12795] Re: Stand Alone Tracker

From: Rob Swanson <rswanson@csinet.net>
Date: Wed, 21 May 1997 10:44:33 -0500
To: aprssig@tapr.org
Message-ID: <33831861.74B0@csinet.net>
Rendered body type: text/plain

rwf wrote:
>
> Congratulations!
> You are now the owner of one of the few laptops that can be set to not have
> the dreaded "Laptop Scrunch Syndrome".

Cool. Not bad for $600 :)

> On that 760C, remember to go to the Thinkpad Setup area and turn on "Screen
> Expansion". this will allow DOS applications to use the entire screen.
> APRSDos never looked better on a Laptop!

I think he (my brother) has already done this.

>
> But why did you wait to build a tracker until you had a laptop?  The
> tracker was the way to do it WITHOUT a computer. Now you need a Pico Packet

Never got around to sitting down and figureing out the exact settings i
need to dump into the kpc-3, also just got the GPS ROM chip last week.

> (or an HSP adapter)
>
> I have never seen the Kan'tTronics HSP, but if it has a single connector
> for the PC, just change the plug to a 9 pin. Forget the adapter.  Also make

It does have just 1 25 pin connector for the computer.

> sure the adapter circuit gets power from OTHER than pin 6 on the laptop's 9
> pin connector!  The Thinkpad will not power your HSP, and it must have
> power.  I "steal" it from the TNC on pin 25 (after doing the external power
> mod).

 Ok so now I need to dig out the manuals for my kpc-3 and do the mod.

Getting closer all the time. Thanks for the info.

Rob Swanson (N9RVR)
EN61po
La Porte IN

## 676. Re: [APRSSIG:12788] Re: Win 2.0 Crashes

From: hasan schiers <schiers@ames.net>
Date: Wed, 21 May 1997 11:40:45 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521114043.006ec958@pop3.ames.net>
Rendered body type: text/plain

At 06:38 AM 5/21/97 -0500, you wrote:
>Hi all,
>
>Bob replied with:

>
>>Interesting point!  I run a 24hr/7 day GATE station and perhaps it has
>>something to do with hf.  The longest I ever got it to run was 5 days to
>>Doug Wetzel's:
>>>Is this just an hf issue?  I have been running WinAPRS2.0 continuously
>>>on both my machines since it was uploaded without a problem...although
>>>I'm only on vhf...
>
>     I'm also only on VHF (although I hear Bob's GATE via one hop) and
>have only experienced those crashes "normally" associated with opening
>or closing a window ... a syndrome many of us are already conscious of.
>--
>              __              Mr. Arte Booten mailto:N2ZRC@webspan.net

I am running dual port gateway with dsp2232. I get multiple crashes per
day on a Pentium 133 with 64 mb of ram and win95/service pak 1.

The Bros. know about the instability and are hunting for it. 73

-------------------
hasan schiers, N0AN

schiers@ames.net

## 677. Selective Availability

From: Wes Johnston <kd4rdb@usa.net>
Date: Wed, 21 May 1997 16:44:22 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521163957.006a6404@coca.net>
Rendered body type: text/plain

I wonder in this day of mass produced computer controlled gear... if a
person so inclined could clip a diode inside a GPS to turn off SA?  Sort of
like opening a Handi Talkie.   I guess we can't expect any help from the
manufacturers on this one, eh?


73's de Wes
Email: mailto:kd4rdb@usa.net
WEB:   http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

## 678. Today's Scripture Reading

From: Arte Booten <n2zrc@webspan.net>
Date: Wed, 21 May 1997 08:17:07 -0400
To: aprssig@tapr.org
Message-ID: <3382E7C3.75B2@webspan.net>
Rendered body type: text/plain

All rise,

     Yea, I shall now read from the most holy of holies, from The Book
of README, Chapter HELP.TXT, Version 7.91, as it came from The Great
Oracle of Glen Burnie, may his name be blessed:

>MAP SYMBOL COLORS:  Several colors are used to differentiate the status
>of each station or object on the MAP display:
           WHITE  - Active APRS stations on line
           GRAY   - TNC-only posit with no APRS message capability
           YELLOW - Objects that you are reporting (uplinking)
           VIOLET - Objects uplinked by other stations
           DARK   - Positions older than 2 hours
           GREEN  - WIDE-RELAY digipeaters
           BLUE   - Weather stations
           CYAN   - Dead Reckoned positions

Amen.  You may be seated.
--
                __                Mr. Arte Booten mailto:N2ZRC@webspan.net
 ___....-----'--'-----....___  Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
============================           Local APRS Elmer
   ___'---..._______..---'___    (Automatic Position Reporting System)
 (___)      _!__!_      (___) 1MI0/N2ZRC-Monster Is. Defensive Force
    ___.-'_.--._'-.___//   Protector of the Realm of Monster Island
     `````.__'--'__.'````Cruise Missile Coordinates 4052.71N/07354.06W
           ````

... But those coordinates are deep within the planetoid ...

679. CTEXT

From: gustavoc@pinos.com
Date: 21 May 1997 17:57:54 EDT
To: aprssig@tapr.org
Message-ID: <199705212051.QAA68256@osceola.gate.net>
Rendered body type: text/plain

Hi!
Can I put on my ctext the gps info. I using a picopacket.

TIA

Gustavo.

680. Re: [APRSSIG:12803] Selective Availability

From: Wes Johnston <kd4rdb@usa.net>
Date: Wed, 21 May 1997 17:20:46 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521171932.006932e8@coca.net>
Rendered body type: text/plain

>If I'm reading right,it's more a matter of hacking the uplink control
>channels. It's not a function of the rx, it's on the TX side.
>
>I'll hand you the cutters just before liftoff :)

Guys, I know that the errors are in the recieved signals.. but there are two channels transmitted, one data stream for civilian use, and another data stream which is called something like PPS (precise positioning service). The mil spec recievers are able to recieve BOTH streams and correct for the intentional error in the civilian stream. What I'm suggesting is that there MAYBE a possibility that the normal off the shelf GPS unit could have the programming to decode the 2nd stream, and that said code has been disabled thru software. Wouldn't it be cool to clip a diode and reset the GPS so that the part of it's programming that decodes this 2nd stream could be enabled? Then it would for all intensive purposes, be a mil-spec reciever. That is IF the mil-spec gps's and the civilian GPS's both use the same program code. Heck look at your handi talkie... same model is produced for America and Europe... just clip a diode and reset, and the ht has just become a new model. Maybe that will clear up my suggestion... now it should be clear as mud! THanks for the bandwidth.

>
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

681. Re: [APRSSIG:12804] Today's Scripture Reading

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 21 May 1997 16:26:06 -0500
To: aprssig@tapr.org
Message-ID: <3383686E.5A55@mindspring.com>
Rendered body type: text/plain

Arte Booten wrote:
>
> All rise,
>
> Yea, I shall now read from the most holy of holies, from The Book
> of README, Chapter HELP.TXT, Version 7.91, as it came from The Great
> Oracle of Glen Burnie, may his name be blessed:
>
> >MAP SYMBOL COLORS: Several colors are used to differentiate the status
> >of each station or object on the MAP display:
> WHITE - Active APRS stations on line
> GRAY - TNC-only posit with no APRS message capability
> YELLOW - Objects that you are reporting (uplinking)
> VIOLET - Objects uplinked by other stations
> DARK - Positions older than 2 hours
> GREEN - WIDE-RELAY digipeaters
> BLUE - Weather stations
> CYAN - Dead Reckoned positions
>
> Amen. You may be seated.
> --

```
>                  __                 Mr. Arte Booten mailto:N2ZRC@webspan.net
>  ___....-----'--'-----....___  Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
> ============================           Local APRS Elmer
>    ___'---..._______..---'___    (Automatic Position Reporting System)
>  (___)      _!__!_      (___) 1MI0/N2ZRC-Monster Is. Defensive Force
>     \\___.-'_.--._'-.___//   Protector of the Realm of Monster Island
>      `````'.__'--'__.'`````Cruise Missile Coordinates 4052.71N/07354.06W
>                 ````
> .. But those coordinates are deep within the planetoid ...
```

Great Arte but where's the DARK BLUE that i get once my tracker is
moving

Amen, now you may be seated ;-)

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

682. Re: [APRSSIG:12803] Selective Availability

From: clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
Date: Wed, 21 May 97 21:35:52 UTC
To: aprssig@tapr.org, kd4rdb@usa.net
Message-ID: <28688@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

KD4RDB asked
> I wonder in this day of mass produced computer controlled gear... if a
> person so inclined could clip a diode inside a GPS to turn off SA? Sort of
> like opening a Handi Talkie.   I guess we can't expect any help from the
> manufacturers on this one, eh?

SA is a dither of the timing of the signals at the spacecraft end. The diode
you would have to cut is in earth orbit!

I still remind people that the effects of SA can be essentially eliminated
using Differential GPS (DGPS) corrects from a base station that is within ~50
miles of your location. The resulting accuracy is about a factor of ten
better than you would get if SA were turned off!

73, Tom

683. Re: [APRSSIG:12732] Re: connectivity problems.

From: Kevin Heyboer <kd4uyr@gte.net>
Date: Wed, 21 May 1997 17:55:15 -0400
To: rwf@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <33836F42.16C0@gte.net>
Rendered body type: text/plain

Okay Ralph, my bad...yes a pbbs is okay....I should have said, set cmsg
to pbbs so to prevent unnecessary connects....
--
****
Kevin Heyboer   E-Mail: kd4uyr@gte.net
Amateur Radio Call: KD4UYR   Packet Mail:KD4UYR@W4DPH.#TPA.FL.US
Coordinator, Pinellas (St. Petersburg/Clearwater) SKYWARN
Assistant Emergency Coordinator for Amateur Radio Emergency Service
****

684. RE: [APRSSIG:12803] Selective Availability

From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Wed, 21 May 1997 15:03:00 -0500
To: aprssig@tapr.org (Receipt Notification Requested)
Message-ID: <M983827.056.jxfct.1.970521220738Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain

Selective Availability is not a function of the receiver, it is a function of
the Satellites.
If you want to clip a diode to turn it off, you will need a ladder 20,000 Km
high.

Selective Availability is a fancy name given by the military to describe the
system of
lies that the GPS satellites use. They lie about their position and time of
transmit
which in turn skew the calculations made on behalf of your GPS receiver. DGPS
is the most effective way to undo SA for general use.

73,

Brian
N7TUQ

-----Original Message-----
From: aprssig@tapr.org@INTERNET
Sent: Wednesday, May 21, 1997 3:46 PM
To: aprssig@tapr.org@INTERNET
Subject: [APRSSIG:12803] Selective Availability

Message authorized by:
    : kd4rdb@usa.net@INTERNET at #EMAIL

I wonder in this day of mass produced computer controlled gear... if a
person so inclined could clip a diode inside a GPS to turn off SA? Sort of
like opening a Handi Talkie.   I guess we can't expect any help from the
manufacturers on this one, eh?

73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

685. RE: [APRSSIG:12806] Re: Selective Availability

From: Brian McCarthy-SC1966 <Brian_McCarthy-SC1966@email.mot.com>
Date: Wed, 21 May 1997 15:34:00 -0500
To: aprssig@tapr.org (Receipt Notification Requested)
Message-ID: <M984209.015.jytyi.1.970521223732Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>
Rendered body type: text/plain

You are correct, there are two channels, one for civilian use and the other
for Military. The Military channel is not that straight forward. The Military
decryption of the GPS data is done by a specialize chip that at last
check requires a Top Top Secret clearance to breath the air around it.

Let's remember why SA was introduce. The purpose is to render the system
useless to non-US allies during war times. I must believe that this would
also preclude a group of HAMs doing APRS from deciphering the codes.

73,

Brian

-----Original Message-----
From: aprssig@tapr.org@INTERNET
Sent: Wednesday, May 21, 1997 4:26 PM
To: aprssig@tapr.org@INTERNET
Subject: [APRSSIG:12806] Re: Selective Availability

Message authorized by:
    : kd4rdb@usa.net@INTERNET at #EMAIL

>If I'm reading right,it's more a matter of hacking the uplink control
>channels. It's not a function of the rx, it's on the TX side.
>
>I'll hand you the cutters just before liftoff :)

Guys, I know that the errors are in the recieved signals.. but there are
two channels transmitted, one data stream for civilian use, and another
data stream which is called something like PPS (precise positioning
service). The mil spec recievers are able to recieve BOTH streams and
correct for the intentional error in the civilian stream. What I'm
suggesting is that there MAYBE a possibility that the normal off the shelf
GPS unit could have the programming to decode the 2nd stream, and that said
code has been disabled thru software. Wouldn't it be cool to clip a diode
and reset the GPS so that the part of it's programming that decodes this
2nd stream could be enabled? Then it would for all intensive purposes, be
a mil-spec reciever. That is IF the mil-spec gps's and the civilian GPS's
both use the same program code. Heck look at your handi talkie... same
model is produced for America and Europe... just clip a diode and reset,

and the ht has just become a new model. Maybe that will clear up my
suggestion... now it should be clear as mud! THanks for the bandwidth.

>
73's de Wes
Email: mailto:kd4rdb@usa.net
WEB: http://www.coca.net./people/kd4rdb/

Want to learn how to track cars and events on ham radio?
click here-> http://www.coca.net./people/kd4rdb/aprs.htm

686. Re: [APRSSIG:12777] Re: APRS Tracker

From: Roger Sellers <rsellers@rockford.com>
Date: Wed, 21 May 1997 17:52:51 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521175248.00be9f60@rockford.com>
Rendered body type: text/plain

At 01:00 AM 5/21/97 -0500, you wrote:
>Although I've remained silent this far, the fact that my car icon is gray
>continually is annoying and I would prefer a different color. To me, gray
>means old data.
>73,
>Mark
>KC7BXS
>
Hi All,
   May I interject a short bit here. I seem to remember a short discussion
on this early last year.
    This past weekend we had several trackers on a bike-a-thon. One used a
Tripmate and one use a garmin 45. I used a color laptop and an additional
color monitor to be able to show people at the HQ what was going on. Same
as on my WinAPRS at home, #####-9 vehicles are a RED CAR on my screen when
the ICONS are on. Never seen any other color. Now if your using a black &
white laptop, red will not be red on the black & white screen if will be
some shade of grey between black and white. Depending on the numbers of
SHADES your display will allow, red, brown, yellow, and green icons will
look slightly different, but they will all be some shade of grey, not black
or white.
   Until Bob or Bros. Sproul give us the ability to create or remake the
icons, we will have to accept whatever shade it appears. I also have 2
black & white laptops with varying levels of grey between them, One is an
absolute pain to look at because of the way the grey is handled on the
screen, I dont like it, but cant change it.
   In other word, some of this we're just going to have to put up with
untill we get to choose the icon colors to please ourselves. That would be
nice, but I'm not about to hold my breath to make it happen.
   What grey means at any given time then, can be a condition of what you
are looking at and when vs what it's supposed to look like normally. Normal
can mean just about anything based on what type of monitor your looking at
APRS with.

Roger Sellers   KB9LBU
email: Home: rsellers@rockford.com
             KB9LBU@juno.com
       Work: rsellers@snds.com

687. Re: [APRSSIG:12808] Re: Selective Availability

From: Nick <nick@cycat.com>
Date: Wed, 21 May 1997 18:59:20 -0400
To: aprssig@tapr.org
Message-ID: <33837E48.1FA9@cycat.com>
Rendered body type: text/plain

clark@tomcat.gsfc.nasa.gov wrote:
>
> I still remind people that the effects of SA can be essentially eliminated
> using Differential GPS (DGPS) corrects from a base station that is within ~50
> miles of your location. The resulting accuracy is about a factor of ten
> better than you would get if SA were turned off!
>
> 73, Tom

Tom,
Would you, or someone, be willing to explain the "mechanics" of using
what you described above. Try not to get too technical please.
Specifically, how are the corrections transmitted, received and applied

to my combo GPS/TNC/Computer/APRS/Radio conflag...er I mean
configuration? :-)
Thanks and 73s,
Keith, KF4BXT
keith.kotch@cycat.com

688. Re: [APRSSIG:12808] Re: Selective Availability

From: Roger Sellers <rsellers@rockford.com>
Date: Wed, 21 May 1997 18:04:15 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521180413.00bee77c@rockford.com>
Rendered body type: text/plain

At 05:01 PM 5/21/97 -0500, you wrote:
>I still remind people that the effects of SA can be essentially eliminated
>using Differential GPS (DGPS) corrects from a base station that is within ~50
>miles of your location. The resulting accuracy is about a factor of ten
>better than you would get if SA were turned off!
>
>73, Tom
>
Hi Tom,
  Is there a database or map somewhere that a person could look at that
specifies where the base stations are located. I've heard the Coast Guard
and others use them. But I'm deep in land locked Northern Illinois and dont
think the signals off Lake Michigan can reach this far.
   I was just thinking if people knew were there were, they could at least
visit the area to see how far off their GPS' normally are or something.

73,

Roger Sellers   KB9LBU
email: Home: rsellers@rockford.com
             KB9LBU@juno.com
       Work: rsellers@snds.com

689. Re: [APRSSIG:12807] Re: Today's Scripture Reading

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 21 May 1997 17:06:10 -0600 (MDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521170423.4604E-100000@nova.dimensional.com>
Rendered body type: text/plain

On Wed, 21 May 1997, William Nolle wrote:

> Arte Booten wrote:
> >
> > >MAP SYMBOL COLORS: Several colors are used to differentiate the status
> > >of each station or object on the MAP display:
> >   WHITE - Active APRS stations on line
> >   GRAY   - TNC-only posit with no APRS message capability
> >   YELLOW - Objects that you are reporting (uplinking)
> >   VIOLET - Objects uplinked by other stations
> >   DARK   - Positions older than 2 hours
> >   GREEN - WIDE-RELAY digipeaters
> >   BLUE   - Weather stations
> >   CYAN   - Dead Reckoned positions
> >
> > Amen. You may be seated.
>
> Great Arte but where's the DARK BLUE that i get once my tracker is
> moving

And also which one denotes stations that are GATEWAYS???

> Amen, now you may be seated ;-)

Patrick, KB0OXD
Denver, Colorado

690. mail

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 21 May 1997 19:10:23 -0400
To: aprssig@tapr.org
Message-ID: <19970521.191110.9582.0.KD4EMI@juno.com>
Rendered body type: text/plain

Got some mail about making my program in a stamp type device.
Have also seen some interesting mail about stamps float by..

#1 A stamp is not a tnc. A tnc is more than just the sum of it's eeprom
You cant make a stamp a tnc. Period. You need more parts !

Someone wanted to take a stamp and put it in the space of the tripmate
and have it become a tnc/gps in one fell swoop...Good luck I have this
time travel problem I'd like you to work on after you do that. Would be
easier to squeeze a tnc into the space !

#2 Stamps are very limited as stand alone devices. They need help from
other
devices like tnc's (that is until i figure out how to program one)

#3 Got some comments about the program. Will try and see how to do that.
Also, will post the posit/pager program tomorrow on the tapr upload
section.

#4 remember the stamp gets the data from the tnc and removes the computer
from the loop so there is no aprs after the stamp. The stamp will output
to the computer but thats it.
Mike
KD4EMI@JUNO.COM

691. June QST page 60 APRS article

From: Richard Parry <rparry@qualcomm.com>
Date: Wed, 21 May 1997 16:16:43 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521161642.00a7dcb0@nala.qualcomm.com>
Rendered body type: text/plain

I know many of the people in the APRS SIG here are more knowledgeable of
APRS than I. Nevertheless I still thought you might like to know that my
article on Position Reporting and APRS is on page 60 of the June issue of
QST. I tried to make it interesting to both the intermediate user and the
beginner. In the section on web sites, I tried to put down all the
particularly interesting APRS web sites.

   If nothing else, if you know of a person that is interested in knowing
more about APRS, you might point him/her to the paper. Bob B. did look it
over so I trust there are no glaring errors.

thanks,

Richard Parry, P.E., W9IF - Qualcomm, Inc. Globalstar/Gateway RLGTS
Internet --> http://people.qualcomm.com/rparry
AX.25   --> W9IF@K6JCC.#SOCAL.CA.USA.NOAM

692. Re: [APRSSIG:12807] Re: Today's Scripture Reading

From: Nick <nick@cycat.com>
Date: Wed, 21 May 1997 19:19:41 -0400
To: aprssig@tapr.org
Message-ID: <3383830D.793B@cycat.com>
Rendered body type: text/plain

wa8inz@mindspring.com wrote:
>
> Great Arte but where's the DARK BLUE that i get once my tracker is
> moving
>
> Amen, now you may be seated ;-)
>
> --
> Bill WA8INZ
> wa8inz@mindspring.com
> wa8inz@amsat.org

Help us out here. What version APRSdos are you using and when your
tracker is out running around, what are you watching it on? I wonder
why no one else has reported a DARK BLUE object?
Keith,KF4BXT
keith.kotch@cycat.com

693. Re: [APRSSIG:12775] Re: APRS Tracker

From: Nick <nick@cycat.com>
Date: Wed, 21 May 1997 19:30:08 -0400
To: aprssig@tapr.org
Message-ID: <33838580.77F1@cycat.com>
Rendered body type: text/plain

wa8inz@mindspring.com wrote:

> WHO CARES TO KNOW IF THE TRACKER IS HOOKED TO A COMPUTER OR NOT AND WHY
> SHOULD THEY HAVE DIFFERENT COLORS ANYWAY. JUST MY POINT OF VIEW.

> Bill WA8INZ
> wa8inz@mindspring.com
> wa8inz@amsat.org

Bill,
Personally, I think it's good to know who's running APRS with a
computer. I'm not going to waste time and bandwidth attempting to
"talk" with someone who can't "talk" back.
Keith, KF4BXT
keith.kotch@cycat.com

694. Re: [APRSSIG:12777] Re: APRS Tracker

From: Richard Amirault <amirault@shell1.tiac.net>
Date: Wed, 21 May 1997 19:32:06 -0400 (EDT)
To: Mark Fellhauer <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.BSF.3.95q.970521192926.11053B-100000@shell1.tiac.net>
Rendered body type: text/plain

On Wed, 21 May 1997, Mark Fellhauer wrote:

> >Jim Duncan, KU0G wrote:
> >>
> >> I'VE NEVER SEEN A VERSION WHERE A STAND-ALONE TRACKER SHOWED UP AS
> >> ANYTHING OTHER THAN LIGHT GREY OR LIGHT BLUE (INDICATES A VALID $GPRMC
> >> SENTENCE WAS RECEIVED). SEEMS THAT THE REST OF THE APRS WORLD > >
> ACCEPTED THIS AS THE DE FACTO STANDARD...
> >>
>
> I have to agree with Bill (WA8INZ). The light gray is hard to see, and
> several local stand-alone units putting out RMC sentences show up as gray
> here in Phoenix. They are putting out the correct time and my computer is
> set to the correct time.
>
> Although I've remained silent this far, the fact that my car icon is gray
> continually is annoying and I would prefer a different color. To me, gray
> means old data.

A "stand alone tracker" has no computer attached. Any TNC/RADIO combo
(house or car) that does not have a computer attached (running APRS) shows
as GREY. GREY does not mean old data, BLACK means old data.

Richard Amirault   N1JDU   Boston, Massachusetts USA
amirault@tiac.net   "Go Fly A Kite"

695. Re: [APRSSIG:12817] June QST page 60 APRS article

From: "Rich Garcia" <n2czf@magg.net>
Date: Wed, 21 May 1997 19:30:25 +0000
To: aprssig@tapr.org, rparry@qualcomm.com
Message-ID: <199705212331.TAA28953@grumpy.magg.net>
Rendered body type: text/plain

Not to mention Bill Manley's Photo of Bob and Keith at the Miami
Hamfest Seminar. Also would like to mention that Steve K4HG author of
java APRS in in the front row wearing the red shirt.

You can see the photo in front section of QST's June issue. I forget
the title of it but I think it is "Up Front" where all the color
photo clips are shown.

> Date: Wed, 21 May 1997 18:25:30 -0500 (CDT)
> Reply-to: rparry@qualcomm.com
> From: Richard Parry <rparry@qualcomm.com>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12817] June QST page 60 APRS article

>   I know many of the people in the APRS SIG here are more knowledgeable of
> APRS than I. Nevertheless I still thought you might like to know that my

> article on Position Reporting and APRS is on page 60 of the June issue of
> QST. I tried to make it interesting to both the intermediate user and the
> beginner. In the section on web sites, I tried to put down all the
> particularly interesting APRS web sites.
>
>   If nothing else, if you know of a person that is interested in knowing
> more about APRS, you might point him/her to the paper. Bob B. did look it
> over so I trust there are no glaring errors.
>
> thanks,
>
>
> ---------------
> Richard Parry, P.E., W9IF - Qualcomm, Inc. Globalstar/Gateway RLGTS
> Internet --> http://people.qualcomm.com/rparry
> AX.25   --> W9IF@K6JCC.#SOCAL.CA.USA.NOAM
>
>
Rich Garcia N2CZF
n2czf@magg.net
n2czf@qsl.net
Jupiter Farms Fl.
http://www.magg.net/~n2czf/aprs.html

696. Re: APRS Tracker

From: "Mark D. Fellhauer" <sparkfel@primenet.com>
Date: Wed, 21 May 1997 16:39:25 -0700 (MST)
To: Richard Amirault <amirault@shell1.tiac.net>
Cc: aprssig@tapr.org
Message-ID: <1.5.4.16.19970521163936.1d77236a@mailhost.primenet.com>
Rendered body type: text/plain

At 07:32 PM 5/21/97 -0400, Richard Amirault wrote:
>On Wed, 21 May 1997, Mark Fellhauer wrote:
>

>> Although I've remained silent this far, the fact that my car icon is gray
>> continually is annoying and I would prefer a different color. To me, gray
>> means old data.
>
>A "stand alone tracker" has no computer attached. Any TNC/RADIO combo
>(house or car) that does not have a computer attached (running APRS) shows
>as GREY. GREY does not mean old data, BLACK means old data.
>

That doesn't address my opinion that gray is not a good color for active
stations. It's hard to see on color screens and even worse on monochrome
displays. And many people here refer to old data as "fading to gray..."

This is especially annoying as FIXED stations are shown in nice bright
colors, while the active animated stations are given a dingy drab color.
Cyan or Yellow would be nice for trackers, IMHO.

73,

Mark

697. Re: [APRSSIG:12814] Re: Selective Availability

From: John Franke <j.m.franke@larc.nasa.gov>
Date: Wed, 21 May 1997 19:42:26 -0400
To: rsellers@rockford.com, aprssig@tapr.org
Message-ID: <v03020904afa937f53ccd@[128.155.59.12]>
Rendered body type: text/plain

Go to:
http://www.navcen.uscg.mil/dgps/dgeninfo/SITEINFO.PDF
get:
SITEINFO.PDF which is an adobe listing of the Coast Guard DGPS
sites/frequencies.
John WA4WDL
j.m.franke@larc.nasa.gov

>Hi Tom,
> Is there a database or map somewhere that a person could look at that
>specifies where the base stations are located. I've heard the Coast Guard
>and others use them. But I'm deep in land locked Northern Illinois and dont
>think the signals off Lake Michigan can reach this far.
>   I was just thinking if people knew were there were, they could at least

>visit the area to see how far off their GPS' normally are or something.
>
>73,
>
>Roger Sellers   KB9LBU
>email: Home: rsellers@rockford.com
>   KB9LBU@juno.com
>   Work: rsellers@snds.com

698. WANTED: MFJ-8621 Data Radio

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 21 May 1997 17:44:43 -0600 (MDT)
To: aprssig@tapr.org, n0giiswaplist@rmsd.com
Message-ID: <Pine.SUN.3.96.970521173318.4604G-100000@nova.dimensional.com>
Rendered body type: text/plain

Hi everyone:

For those who don't already know, I am VERY interested in APRS, but don't
have the equipment to get on the air with. As a result, I am in the hunt
for ANYONE who has a used (or bought but never used) MFJ-8621 Data Radio
(This is the APRS equivelant to the MFJ Data Radio used by many packeteers
on 145.01 Mhz.).

Anyone who's SERIOUSLY interested in making me an offer, email me PRIVATELY
so we may discuss terms without causing undue harm to the SIG or bogging
down traffic on the newsgroups.

73's for now my friends!! :-)

Patrick Cook
patcook@dimensional.com (please use this address WITH the above subject
                         header)
Denver, Colorado

P.S.: SPAMMERS AND OTHER USENET LOSERS NEED NOT REPLY!!!!

P.P.S.: NEWSGROUP FLAMERS **WILL** BE IGNORED!!!

699. Re: [APRSSIG:12814] Re: Selective Availability

From: John Franke <j.m.franke@larc.nasa.gov>
Date: Wed, 21 May 1997 19:47:19 -0400
To: <rsellers@rockford.com>, <aprssig@tapr.org>
Message-ID: <v03020905afa939a7a2e3@[128.155.59.12]>
Rendered body type: text/plain

Date: Wed, 21 May 1997 19:42:26 -0400
To: rsellers@rockford.com, aprssig@tapr.org
From: John Franke <j.m.franke@larc.nasa.gov>
Subject: Re: [APRSSIG:12814] Re: Selective Availability
Cc:
Bcc:
X-Attachments:

Go to:
http://www.navcen.uscg.mil/dgps/dgeninfo/SITEINFO.PDF
get:
SITEINFO.PDF which is an adobe listing of the Coast Guard DGPS
sites/frequencies.
John WA4WDL
j.m.franke@larc.nasa.gov
>

>>Hi Tom,
>> Is there a database or map somewhere that a person could look at that
>>specifies where the base stations are located. I've heard the Coast Guard
>>and others use them. But I'm deep in land locked Northern Illinois and dont
>>think the signals off Lake Michigan can reach this far.
>>   I was just thinking if people knew were there were, they could at least
>>visit the area to see how far off their GPS' normally are or something.
>>
>>73,
>>
>>Roger Sellers   KB9LBU
>>email: Home: rsellers@rockford.com
>>   KB9LBU@juno.com
>>   Work: rsellers@snds.com
>
>

>

700. Re: [APRSSIG:12818] Re: Today's Scripture Reading

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 21 May 1997 19:00:51 -0500
To: aprssig@tapr.org
Message-ID: <33838CB3.12D2@mindspring.com>
Rendered body type: text/plain

Nick wrote:
>
> wa8inz@mindspring.com wrote:
> >
> > Great Arte but where's the DARK BLUE that i get once my tracker is
> > moving
> >
> > Amen, now you may be seated ;-)
> >
> > --
> > Bill WA8INZ
> > wa8inz@mindspring.com
> > wa8inz@amsat.org
>
> Help us out here. What version APRSdos are you using and when your
> tracker is out running around, what are you watching it on? I wonder
> why no one else has reported a DARK BLUE object?
> Keith,KF4BXT
> keith.kotch@cycat.com

Ok will do. I'm running version 792 (the latest and greatest). When my
tracker is running around i am watching it on my Pentium with a NANAO
9070u 17" color monitor SVGA, and yes one other person has reported the
dark blue. I see most all trackers on my map as gray. When running my
tracker and it's not moving it's GRAY then when it is moving it turns a
DRAK BLUE. But Keith that's a good question.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

701. Re: Selective Availability

From: joefoor@digitalexp.com (Foor, Joe)
Date: Wed, 21 May 1997 18:59:14 -0500
To: aprssig@tapr.org
Message-ID: <33838C52.706D@digitalexp.com>
Rendered body type: text/plain

Roger Sellers wrote:
>
> At 05:01 PM 5/21/97 -0500, you wrote:
> >I still remind people that the effects of SA can be essentially
> >eliminated using Differential GPS (DGPS) corrects from a base station
> >that is within ~50 miles of your location.

> I've heard the Coast Guard
> and others use them. But I'm deep in land locked Northern Illinois and
> dont think the signals off Lake Michigan can reach this far.

Check with your local airport or FM broadcast station. DGPS is commonly
available on a local FM Broadcast Station subcarrier, for aircraft use.

regards,
Joe KF4DYS (I just do it all for fun now)

Miniature Repair Technician(retired), Electronics Instructor(retired),
Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired),
Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired),
Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

702. Re: Selective Availability

From: "Mark D. Fellhauer" <sparkfel@primenet.com>
Date: Wed, 21 May 1997 17:05:25 -0700 (MST)
To: kd4rdb@usa.net, aprssig@tapr.org
Message-ID: <1.5.4.16.19970521170537.1d77913a@mailhost.primenet.com>
Rendered body type: text/plain

At 04:25 PM 5/21/97 -0500, Wes Johnston wrote:

>Wouldn't it be cool to clip a diode
>and reset the GPS so that the part of it's programming that decodes this
>2nd stream could be enabled? Then it would for all intensive purposes, be
>a mil-spec reciever. That is IF the mil-spec gps's and the civilian GPS's
>both use the same program code. Heck look at your handi talkie... same
>model is produced for America and Europe... just clip a diode and reset,
>and the ht has just become a new model. Maybe that will clear up my
>suggestion... now it should be clear as mud! THanks for the bandwidth.
>

If only it were that simple. High accuracy GPS's, often mistaken as
military units, have two separate receiver sections. It's like having two
HT's or a dual bander. You can go buy a Yaesu FT-11R but cutting a diode
inside will never make it an FT-51R.

Besides, dual channel GPS's aren't really that much more accurate than a
single channel model. DGPS and or Pseudollites produce much higer
accuracies, especially in the vertical plane. Recent tests with single
channel GPS's with Pseudollite correction have produced accuracies of 2cm
horizontal and 7cm vertical! One meter is considered good enough to land a
jumbo jet. (I work at Honeywell ATENG, BCA, SPACE, & OPD...)

In fact, many GPS's the military use are just single channel units. During
Desert Storm there was a severe shortage amongst the military of high-spec
GPS receivers. They just purchased civilian models and used them too. This
was pretty common, many pilots were issued 60 year old .38 pistols because
the Gubment ran out of "good ones." And worse yet, the ammo for those
pistols wasn't waterproof. In disgust many pilots arranged a group purchase
of Glock Pistols in 9mm (NATO SPEC pistol and ammo) rather than have to rely
on revolvers.

I was at Luke Day a few years back and one of the Airmen was showing me his
official issue Magellan Trailblazer XL...just like mine which I bought at
Popular Outfitters. Some people have remarked that the Air Force Magellan
was a "special" unit with dual channel receive. A Magellan rep at a Hamfest
told me that was a load of hooey...

73,

Mark
KC7BXS

703. Re: [APRSSIG:12760] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:11:52 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521200716.13452B-100000@arctic>
Rendered body type: text/plain

On Tue, 20 May 1997, William Nolle wrote:

> > APRSdos REPLY/COMMENT: Yes, for over a year, anything that cannot send
> > and receive APRS messages are a light gray. Still quite visible. Dark
> > gray is for those that have not been heard in over 2 hours.
>
> Man i totally disagree with this, they are hard to see, even harder once
> tracking since they then turn a dark blue.... Why was this changed?.
> Who come up with these ideas...? It looks to me like anything portable
> is being frowned upon these days and made harder to setup...

APRSdos REPLY/COMMENT: This was my idea to distinguish those objects on
the map that CAN send and receive message traffic from those that cannot.
If it is bright white, then you can SEND a message to it. If it is light
gray, then it is a stand-alone trcker and you cannot send it a message,
since it has no computer. See SYMBOLS.TXT to see that all of the bright
colors of the PC are alrady used up.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

704. Re: [APRSSIG:12778] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:28:29 -0400 (EDT)
To: Byron Smith <wa6ylb@theworks.com>

Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521202026.13452E-100000@arctic>
Rendered body type: text/plain

We have been thorought this all before. Here is the answer. You cannot
take time off the air automatically. Alomst all TNC's will send OLD GPS
data if they loose GPS. There is NO WAY to know this, other than human
knowledge of circumstances. There fore APRS will only sync to on-air GPS
posits under human control. In dos it is the alt-S-GPS-TIME-SYNC command.

TAKE TIME FROM GPS ON THE AIR au On Wed, 21 May 1997, Byron Smith wrote:

> At 02:33 PM 5/20/97 -0500, you wrote:
> >On Tue, 20 May 1997, Dave VanHorn wrote:
> >
> >> Wouldn't a tracker already have the absolute time from GPS?
> >> Or is that in some other sentence we need to output?
> >
> >APRSdos REPLY/COMMENT: Yes, that is why APRSdos has the
> >alt-S-GPS-TIME-SYNC commmand so that you can sync up to it...
> >
> Then I wonder why APRSdos doesnt automatically use any (GPS) time it hears
> and updates your clock in the computer. It really doesnt matter to APRS
> what the local time offset is if it corrects the master clock within the
> computer to UTC. If the APRSdos user wants to see the local time, then
> he/she sets the correct offset within APRS.
> This would make a tracker set everyones clock in APRS PC's. If the GPS time
> is within a minute or two of the computers time, dont bother to reset the
> computer. I know in this area, each day, reguardless of when a APRS
> station fires up, its bound to hear a tracker announcing the correct time
> anyway. It sure would "auto correct" all aprs stations that have heard a
> tracker. Neet to get all players sync'd to the same basic time in the
> immediate area. Even stations in seperate areas would sync to trackers in
> their areas.
>
>
>
> Byron Smith
> wa6ylb@theworks.com
> wa6ylb@wa6ylb.#cca.ca.usa.noam
>
> .. Do radioactive cats have 18 half-lives?
>
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON almost LIVE: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

705. Re: [APRSSIG:12745] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:30:53 -0400 (EDT)
To: "Just your average ordinary SUPER DUPER *NICE* guy!!! :-)" <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521203010.13452F-100000@arctic>
Rendered body type: text/plain

All recent APRS posits are transmitted in UTC on the air. Doesnt matter
whenterr you are on local or not, as long as you have your UTC offset
correct.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

706. Re: [APRSSIG:12783] << Pse HELP on TNC file >>

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:33:48 -0400 (EDT)
To: iw3gpo@ham.shineline.it
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521203140.13452G-100000@arctic>
Rendered body type: text/plain

On Wed, 21 May 1997 iw3gpo@ham.shineline.it wrote:

> ..How I can connect with FTP or TELNET applications my APRS web page to
> ..reload on real time the trip file (*.TNC)...

APRSdos REPLY/COMMENT: The way I do it is with an old PC that has a
ETHERNET LAN connection to the WEB SERVER machine. My PC runs a simple
Qbasic program called APRSWEB.BAS that saves a .TNC file to the "D:" drive
every 2 miuntes. That "D:" drive is actually over on the WEB server where
the javaAPRS expects to find the .TNC file. Very simple, but requires the
PC at the same site as the web server...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

707. Re: [APRSSIG:12796] Valid GPS sentences

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:42:47 -0400 (EDT)
To: rwf <rwf@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521204127.13452I-100000@arctic>
Rendered body type: text/plain

On Wed, 21 May 1997, rwf wrote:

> Also what about somehow flagging as bad (possibly a different color icon or
> something) posits from a stand alone tracker sending RMC with the status as
> V instead of A (A-OK as Mr Winingham says). This status may also be in
> other sentences, but I only really use RMC.

APRSdos REPLY/COMMENT: APRS has always done this. It will say something
like RMC fix or GPS fix if the data is VALID. It will say "LAST FIX" if
it is NOT valid. Look at them on the P-LIST.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

708. Re: [APRSSIG:12798] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:45:48 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521204327.13452J-100000@arctic>
Rendered body type: text/plain

On Wed, 21 May 1997, William Nolle wrote:

> I say again i don't know how many versions back it was but my tracker i
> used showed CYAN all the way and i always used the RMC string, actually
> it didn't make any difference what string you used. I would still like
> to know what the reasoning behind this was to change it to a very hard
> to see gray and then to an even harder to see dark blue.

APRSdos REPLY/COMMENT: The dark BLUE is the OLD posit. It should be
almost invisible because it means "This station is NO LONGER HERE".
Everytime APRSdos gets a new posit it turns the OLD POSIT DARK BLUE and
turns the new posit WHITE or LIGHT GRAY depeneding on whether he is APRS
MESSAGE capable or not.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

709. Re: [APRSSIG:12807] Re: Today's Scripture Reading

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:49:56 -0400 (EDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521204903.13452K-100000@arctic>

Rendered body type: text/plain

Thanks for finding this. Ill put the dark Blue in the list. Thanks.

On Wed, 21 May 1997, William Nolle wrote:

> > >MAP SYMBOL COLORS: Several colors are used to differentiate the status
> > >of each station or object on the MAP display:
> >   WHITE - Active APRS stations on line
> >   GRAY   - TNC-only posit with no APRS message capability
> >   YELLOW - Objects that you are reporting (uplinking)
> >   VIOLET - Objects uplinked by other stations
> >   DARK   - Positions older than 2 hours
> >   GREEN - WIDE-RELAY digipeaters
> >   BLUE   - Weather stations
> >   CYAN   - Dead Reckoned positions
>
> Great Arte but where's the DARK BLUE that i get once my tracker is
> moving

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

710. Re: [APRSSIG:12815] Re: Today's Scripture Reading

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 21 May 1997 20:54:18 -0400 (EDT)
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970521205125.13452L-100000@arctic>
Rendered body type: text/plain

On Wed, 21 May 1997, Patrick Cook wrote:

> > > >MAP SYMBOL COLORS: Several colors are used to differentiate the status
> > > >of each station or object on the MAP display:
> > >   WHITE - Active APRS stations on line.... etc
>
> And also which one denotes stations that are GATEWAYS???

APRSdos REPLY/COMMENT: One of the main reasons we added the NUMERIC
OVERLAY SYMBOLS is so that we could have 36 differente kinds of GATE
symbols. Just select the "NUMBERED" GATE and then chhose any letters from
A to Z and 0-9 to show up on it. That way, you can do the following:

   G - normal 30m gate
   8 - 80 meters
   4 - 40 meters
   U - UHF gateway
   I - Internet gatewas
   S - Satellite gateways.....   I think you get the idea...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

711. DARK-BLUE

From: Boyd Prestwood <w2hob@mosquito.com>
Date: Thu, 22 May 1997 01:31:40 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970522013140.0069d438@mail.mosquito.com>
Rendered body type: text/plain

Dark blue objects are the footprints left behind after the object moves and
no longer occupies that position. It's been there since before version
2.05 when I came onboard.

73 de Boyd Prestwood W2HOB
w2hob@mosquito.com

712. Re: [APRSSIG:12834] Re: APRS Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 21 May 1997 20:38:13 -0500
To: aprssig@tapr.org
Message-ID: <3383A385.67C2@mindspring.com>
Rendered body type: text/plain

Bob Bruninga wrote:
>
>
> APRSdos REPLY/COMMENT: The dark BLUE is the OLD posit. It should be
> almost invisible because it means "This station is NO LONGER HERE".
> Everytime APRSdos gets a new posit it turns the OLD POSIT DARK BLUE and
> turns the new posit WHITE or LIGHT GRAY depeneding on whether he is APRS
> MESSAGE capable or not.
>
> Reply mail addr: wb4apr@amsat.org
> US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
> See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
> See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
> See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

Ok that makes sense, but having a standalone tracker a light gray i do
not agree with. When i look at 5 pages pages of users on my P list and
looking at the GPS trackers i see 90% of them gray then why make the
biggest percentage hard to see when in fact these are used more then
anything in emergency conditions and special events etc. As i see it
switch the colors then. If all or most users of standalone trackers feel
that the present color is exceptable for their trackers then i will just
give up and either live with it or just forget a tracker, like i forgot
about my Solar WX station and just take my marbles and go home (That was
a joke guys) so no need to flame...

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

713. Mim question

From: kd4emi@juno.com (Michael A. Kantor)
Date: Wed, 21 May 1997 22:03:47 -0400
To: aprssig@tapr.org
Message-ID: <19970521.220348.11166.1.KD4EMI@juno.com>
Rendered body type: text/plain

Rich said that the MIM is a tnc ..

I'm easily confused..
I thought the Mim works WITH a tnc..
I was mistaken..
Whats the mim $$ at right now ?
Mike

714. Re: Rule: Re: [APRSSIG:12787] APRS LAN REVISITED-OOPS

From: ttyamada@CCGATE.HAC.COM
Date: Wed, 21 May 97 19:36:02 PST8
To: aprssig@tapr.org
Message-ID: <9704218642.AA864268466@CCGATE.HAC.COM>
Rendered body type: text/plain

OOPS, the auto-spam detect got this,
     and responded, Please ignore the below
     message....
     Sorry,Ted..

_____________________________ Reply Separator _____________________________
Subject: Rule: Re: [APRSSIG:12787] APRS LAN REVISITED
Author: Theodore T Yamada at 4-SDCCM1
Date: 5/21/97 9:58 AM

     This type of email is against company policy.
     Please do not send any advertisements to this
     email address.
     Thank You.

     <unauthorized email entry detect code # - 0039>

715. GPS & Tiny-2

From: David Shultz <dshultz@epix.net>
Date: Wed, 21 May 1997 22:34:31 -0400
To: APRSSIG <aprssig@tapr.org>
Message-ID: <3383B0B7.29AD@epix.net>
Rendered body type: text/plain

I am new to GPS's and I recently got a Garmin GPS II+. I made the data cable as per instructions by Garmin. But I am having trouble getting the two units to communicate. My question has to do with the setup of the TNC.

I'm using a TINY-2 with version 3.2 firmware. I do not know what to put for the GPSITEXT? I left the LTEXT, CTEXT and STEXT blank believing that they would be filled by the GPS. I set LOCATION to Every 60 and LPATH to GPS VIA RELAY,WIDE,WIDE. And MYCALL to N3NXC-9.

Are there any other commands to be set and does anyone have an idea what I should put for the GPSITEXT?

Thanks a bunch.

Dave

716. Re: [APRSSIG:12816] mail

From: "James P. Gill" <jimgill@probe.net>
Date: Wed, 21 May 1997 21:52:03 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <3383B4D2.BEE0296C@probe.net>
Rendered body type: text/plain

Michael A. Kantor wrote:

> Got some mail about making my program in a stamp type device.
> Have also seen some interesting mail about stamps float by..
>
> #1 A stamp is not a tnc. A tnc is more than just the sum of it's
> eeprom
> You cant make a stamp a tnc. Period. You need more parts !
>
> Someone wanted to take a stamp and put it in the space of the tripmate
>
> and have it become a tnc/gps in one fell swoop...Good luck I have
> this
> time travel problem I'd like you to work on after you do that. Would
> be
> easier to squeeze a tnc into the space !

True, a stamp is not a tnc. But the device that was suggested to go inside the Tripmate is a complete device specifically designed for the purpose of being put in a tracker, not a generic "basic stamp" that you must do your own engineering to get it to work.

The Micro Interface Module, or MIM, is a complete 1200-baud, AX.25 circuit board, needing only a radio to send packets. Add a GPS with NMEA output and it is capable of being a stand-alone tracker. See http://home.navisoft.com/agrelo/clement.htm for details and a photograph. This device will fit inside the Tripmate battery compartment, assuming the battery holder were removed and power was acquired outside of the Tripmate.

> #2 Stamps are very limited as stand alone devices. They need help from
>
> other
> devices like tnc's (that is until i figure out how to program one)

The MIM is not a tnc like the KPC-3 or others, in that it does not have a mailbox, etc. But the MIM does not require a TNC to operate. The MIM will completely format the AX.25 packet to be transmitted by the attached radio and has an input to monitor the RX line for 'hold off'.

> #4 remember the stamp gets the data from the tnc and removes the
> computer
> from the loop so there is no aprs after the stamp. The stamp will
> output
> to the computer but thats it.
> Mike
> KD4EMI@JUNO.COM

Your proposed device is a great idea in and of itself, but is different from what was suggested for the Tripmate. I am not involved in any way

with the maker of the MIM; I just wanted to clarify what you stated in
#1 of your post.

Jim Gill N0RMO
jimgill@probe.net

717. Re: [APRSSIG:12807] Re: Today's Scripture Reading

From: rwf <rwf@mindspring.com>
Date: Thu, 22 May 1997 00:00:56 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521231750.008d7ee0@mindspring.com>
Rendered body type: text/plain

At 04:32 PM 5/21/97 -0500, you wrote:
>Great Arte but where's the DARK BLUE that i get once my tracker is
>moving

Bill those are the way Bob marks your "track droppings". He can't put back
the screen the way it was, so he turns the trail blue as he replaces old
droppings. I see the dark blue ones all the time because of our high
quantity of mobiles with APRS in the Atlanta area.

718. Re: [APRSSIG:12812] Re: APRS Tracker

From: rwf <rwf@mindspring.com>
Date: Thu, 22 May 1997 00:00:57 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521231331.008d7ee0@mindspring.com>
Rendered body type: text/plain

I think I saw somewhere that the *red* colored vehicles were a WinAPRS bug,
Roger. AFAIK, red is for emergency use when a Mic-E is set to Emergency or
when a WX station alarm is sent.

I'll bet it was just a coincidence that it happened to help you in your demo.

In Dayton, I noticed a red *GATE*.

At 05:57 PM 5/21/97 -0500, you wrote:
This past weekend we had several trackers on a bike-a-thon. One used a
>Tripmate and one use a garmin 45. I used a color laptop and an additional
>color monitor to be able to show people at the HQ what was going on. Same
>as on my WinAPRS at home, #####-9 vehicles are a RED CAR on my screen when
>the ICONS are on.

Ralph Fowler, N4NEQ S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in 427.25 (Ch 58) out
rwf@mindspring.com Atlanta, GA USA
http://www.mindspring.com/~rwf for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

719. Re: [APRSSIG:12819] Re: APRS Tracker

From: rwf <rwf@mindspring.com>
Date: Thu, 22 May 1997 00:01:00 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970521232249.008d7ee0@mindspring.com>
Rendered body type: text/plain

Probably explains a lot of the unacked messages being sent to trackers.
Guess we need to work on educating what the first character after the date
of an entry in the P list means.

By the way- I do think that a tracker should be something other than gray,
though. sure made the tracking of the 6 units in our walkathon look boring.

I think I ended up turning off FADE.

>wa8inz@mindspring.com wrote:
>
>> WHO CARES TO KNOW IF THE TRACKER IS HOOKED TO A COMPUTER OR NOT AND WHY
>> SHOULD THEY HAVE DIFFERENT COLORS ANYWAY. JUST MY POINT OF VIEW.

720. Re: [APRSSIG:12815] Re: Today's Scripture Reading

From: Patrick Cook <patcook@dimensional.com>
Date: Wed, 21 May 1997 22:12:26 -0600 (MDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970521221113.8193C-100000@nova.dimensional.com>
Rendered body type: text/plain

```
Bob:

What on earth would we do WITHOUT you, eh????  Thanks for the info.  :-)

73's for now my friends!!  :-)

Patrick, KB0OXD
Denver, Colorado
```

---

721. Re: [APRSSIG:12826] Re: Today's Scripture Reading

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Wed, 21 May 1997 23:34:43 -0500
To: aprssig@tapr.org
Message-ID: <3383CCE3.7E23@kcaprs.org>
Rendered body type: text/plain

```
William Nolle wrote:
> Ok will do. I'm running version 792 (the latest and greatest). When my
> tracker is running around i am watching it on my Pentium with a NANAO
> 9070u 17" color monitor SVGA, and yes one other person has reported the
> dark blue. I see most all trackers on my map as gray. When running my
> tracker and it's not moving it's GRAY then when it is moving it turns a
> DRAK BLUE. But Keith that's a good question.
> --

Once more, with feeling (this time to the SIG so others can quote
it!)...

DARK BLUE shows the immediate PAST position of a moving object.  It is
the track history of the moving object.  It does NOT mean anything other
than to show the past course history of a MOVING object or a station
that has changed its position... (seems like I've already said this once
today)...
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10
```

---

722. Re: [APRSSIG:12744] Re: connectivity problems. -Reply

From: David McCarthy <davidmc@goodnet.com>
Date: Wed, 21 May 1997 21:38:42 -0700
To: Brian_McCarthy-SC1966@email.mot.com
Cc: aprssig@tapr.org
Message-ID: <3383CDD2.40F3@goodnet.com>
Rendered body type: text/plain

```
Brian McCarthy-SC1966 wrote:
>
> I have set my KPC-3 tracker to
>
> CMSG DISC
> CTEXT Sorry, Connections not allowed.  Leave Message at N7TUQ-1.
>
> With this setting, I can connect to my remote, but other stations cannot
> connect to my tracker.
>
> Have a good one,
>
> Brian
> N7TUQ

Or:

CMSG PBBS
CT No connections. Forwarding to mailbox...
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
_/ David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ  _/
```

```
_/  ARRL * ARES * Skywarn * APRS * ARC Disaster Communications  _/
_/ email: davidmc@goodnet.com - packet: kc7ayx@kc7y.az.usa.noam _/
_/  Visit the family homepage: http://www.goodnet.com/~davidmc  _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

723. Re: [APRSSIG:12834] Re: APRS Tracker

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 22 May 1997 01:22:16 -0400 (EDT)
To: Byron Smith <wa6ylb@theworks.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970522012117.22438D-100000@arctic>
Rendered body type: text/plain

NO, There is no way to ERASE somehing on the screen. Therefore I RE-DRAW
it BLUE to make it almost disappear.

On Wed, 21 May 1997, Byron Smith wrote:

> At 07:44 PM 5/21/97 -0500, you wrote:
> >On Wed, 21 May 1997, William Nolle wrote:
> >
> >> I say again i don't know how many versions back it was but my tracker i
> >> used showed CYAN all the way and i always used the RMC string, actually
> >> it didn't make any difference what string you used. I would still like
> >> to know what the reasoning behind this was to change it to a very hard
> >> to see gray and then to an even harder to see dark blue.
> >
> >APRSdos REPLY/COMMENT: The dark BLUE is the OLD posit. It should be
> >almost invisible because it means "This station is NO LONGER HERE".
> >Everytime APRSdos gets a new posit it turns the OLD POSIT DARK BLUE and
> >turns the new posit WHITE or LIGHT GRAY depeneding on whether he is APRS
> >MESSAGE capable or not.
>
> Yea, this was something that I wanted to mention. I have watched a couple
> of locals (trackers) on wide range maps, and have seen the dark blue as you
> mention. But this trail obscures the map, as a smear of blue, wide as a
> car, with callsign in trail. Is it possible instead to change the car from
> a light gray (what ever the color is) to a single dot, without a callsign,
> like a trail of "bread crums" to allow the map underneath to be seen? I
> know you can hit the space bar, but that erases the map, and only shows the
> current positon. Too bad it cant be bread crumbs that fade away, and wont
> disapear on a "redraw" unless they are too old...
>
>
> Byron Smith
> wa6ylb@theworks.com
> wa6ylb@wa6ylb.#cca.ca.usa.noam
>
> ... Do radioactive cats have 18 half-lives?
>

APRSdos REPLY/COMMENT:

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

724. Re: APRS Tracker

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 May 1997 01:22:57 -0700
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <3.0.32.19970522012253.0068d980@mailhost.primenet.com>
Rendered body type: text/plain

At 07:30 PM 5/21/97 -0500, Bob Bruninga wrote:

>We have been thoroughtt this all before. Here is the answer. You cannot
>take time off the air automatically. Alomst all TNC's will send OLD GPS
>data if they loose GPS. There is NO WAY to know this, other than human
>knowledge of circumstances. There fore APRS will only sync to on-air GPS
>posits under human control. In dos it is the alt-S-GPS-TIME-SYNC command.
>

Amen to that. And it works. A couple people have written me to say
they've never seen a GPS clock with an improper time, but for one, that
figure is "colored" by the TNC, and as anyone with a KPC-3 knows, it will
continue to beacon old data if your GPS loses lock. Also on a few

occasions my GPS has given positions that are WAY off. One day my GPS started indicating that I was 7 miles due south of my actual position.

73,

Mark

725. Re: APRS Tracker

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 May 1997 01:32:27 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970522013224.00694638@mailhost.primenet.com>
Rendered body type: text/plain

>Date: Thu, 22 May 1997 01:14:17 -0700
>To: Bob Bruninga <bruninga@nadn.navy.mil>
>From: Mark Fellhauer <sparkfel@primenet.com>
>Subject: Re: APRS Tracker
>Cc: aprssig@tapr.com
>
>At 08:19 PM 5/21/97 -0400, Bob Bruninga wrote:
>
>>Thre are two grays. light gray and dark gray. Which one are you talking
>>about?
>>
>
>Light gray.
>
>(This part is directed at the SIG, and not BOB B.)
>
>I think people here have lost sight of what Bill and I were both trying to point out. And that is gray isn't what I/WE consider to be the best color for stand-alone trackers. I don't care if it turns cyan for two seconds or if it's dark blue or black or whatever tangent several responders have gotten off on.
>
>And I really don't understand the comments telling me, "it's gray, 'cause that's the color for stand-alone systems..."
>
>I FREAKIN' KNOW THAT! I've been a registered user for oh... 3 years... And I was probably the FIRST person in Phoenix to field an autotracker. BUT in older versions of APRS DOS the most recent position of my autotracker showed up as cyan. And this was not 'cause of dead reckoning; I havn't changed the hardware of my autotracker in two years. Please do not send me any more messages as to why it's gray, I've already seen about 10 responses to that effect and I think it's been covered.
>
>I never asked why it was gray, I just said I DON'T LIKE GRAY! Why is that so hard to understand??!!!
>
>
>Sheesh!
>
>73,
>
>Mark
>KC7BXS
>

726. Tacker Color

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 22 May 1997 05:43:59 -0500
To: aprssig@tapr.org
Message-ID: <3384236F.42EB@mindspring.com>
Rendered body type: text/plain

Sorry I ever brought the subject of standalone gps trackers up on the sig it's realy not that important to me anymore, neither is APRS for that matter specially since it seems to be upsetting the Author greatly, i will not go into the message i received but rather just drop the whole thing. If i upset anyone on the sig simply for asking why something was changed and why it can't be changed back to what it used to be then i'm sorry. Again a portable GPS tracker or WX station is not worth all the hassle it seems to take to get a concensus of the way they should be or look. It is my and my opinion only that there are 3 or 4 aprs users that set the standard no matter what others likes or dis-likes are. If anyone in charge of the sig feel that my posting of the way i feel are not for the good of the sig or aprs then feel free to dump me. I have always stated facts the way i see them, i do not lie or kiss up to anyone and

never will. Thank you for listening and sorry for the bandwidht.
--
Bill WA8INZ

727. Re: [APRSSIG:12819] Re: APRS Tracker

From: WB4LTF@aol.com
Date: Thu, 22 May 1997 07:57:54 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970522075753_-1365217213@emout02.mail.aol.com>
Rendered body type: text/plain

It is nice to know that APRS is working so well...
When we can devote two or three days worth of SIG inputs to the color of a symbol,their must not be much to talk about.
Two suggestions...
   1. Read a days worth of SIG reports before answering. (The duplication is getting bad)
   2. Everyone reads the same SIG, so to copy every word of every response into a message is another BIG waste of time and space. (Use the EDIT keys)

GOOD JOB BOB !!!

Bud
wb4ltf@aol.com

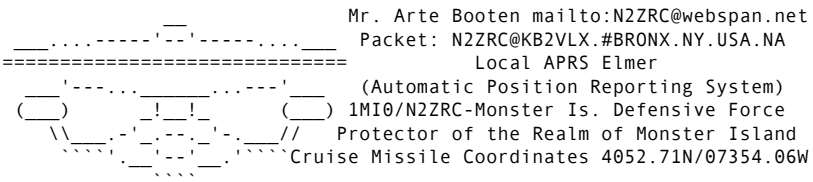
728. Re: [APRSSIG:12807] Re: Today's Scripture Reading

From: Arte Booten <n2zrc@webspan.net>
Date: Wed, 21 May 1997 23:16:08 -0400
To: aprssig@tapr.org
Message-ID: <3383BA78.5F8@webspan.net>
Rendered body type: text/plain

Hi all,

William Nolle wrote:

>... where's the DARK BLUE that i get once my tracker is moving

     Hey, I didn't write it. I just quoted it. The DARK blue ones are the POSITs that have since been updated. They show the track of the station. If you don't like 'em press the spacebar and they'll disappear. 73
--

Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W

... But those coordinates are deep within the planetoid ...

729. Mentor needed....

From: Steve Dimse <sdimse@bridge.net>
Date: Thu, 22 May 97 09:46:36 -0400
To: "aprssig" <aprssig@tapr.org>, <aprs-fl@tapr.org>
Message-ID: <199705221346.JAA00270@bridge.net>
Rendered body type: text/plain

I have gotten a request relayed to me from a ham in Dayton Beach FL requesting some help getting started with APRS. Contact me directly if you are willing to help.

Steve K4HG
sdimse@bridge.net

730. [Fwd: [MARC] Rockford's "American Lung Assoc. Bike ride".]

From: David McCarthy <davidmc@goodnet.com>
Date: Thu, 22 May 1997 07:39:58 -0700
To: phxaprs@phx-az.com, aprssig@tapr.org
Message-ID: <33845ABE.739A@goodnet.com>
Rendered body type: text/plain

Another great example of APRS in action. MARC is the Motorcycle Amateur Radio Club.

WA9FFL@aol.com wrote:

```
>
> Hi ALL well while it was not really a "MARC" event, we had the Lung
> Associations Bike a thon last Sunday, and there was one MARC motorcycle along
> (MINE).  The ride went very well, we used APRS trackers in front of the first
> rider, and in back of the last rider, as well as on the "ambulance".  The
> effect on the press as well as the ALU people was tremendous.  They could
> look and see when ever they wanted to where the pack was.  The last bike to
> finish was a 14 year old boy who rode to the event, rode the 62 miles, then
> rode home.  Wait until he gets one with a motor huh!

--
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
_/ David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ  _/
_/  ARRL * ARES * Skywarn * APRS * ARC Disaster Communications  _/
_/ email: davidmc@goodnet.com - packet: kc7ayx@kc7y.az.usa.noam _/
_/  Visit the family homepage: http://www.goodnet.com/~davidmc  _/
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
```

731. About DGPS -- a tutorial

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Thu, 22 May 1997 11:27:14 -0400
To: aprssig@tapr.org
Cc: Tom Clark <clark@tomcat.gsfc.nasa.gov>
Message-ID: <338465D2.663B667D@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

```
There were a number of questions asked about DGPS both here on
APRSSIG and at Dayton. Let me try to answer most of them at once.

First, some comments on Selective Availability and DGPS. The main
function of the GPS satellites is to serve as a clock, and the
satellite derives all its signals from an onboard 10.23 MHz atomic
frequency standard (Cesium, with Rubidium backup). The main GPS
signals that you, as a user are concerned with are on the L1 L-band
carrier at 1575.42 MHz (=154*10.23). Each satellite transmits a spread-
spectrum signal with a unique pseudo-random code (the PRN number you
see for each satellite) 1023 bits long, sent at a rate of 1.023
megabits/
second. Therefore each code bit represents a time mark every ~1 usec
corresponding to a distance ~300 meters. The sequence repeats once per
millisecond, corresponding to a distance of 300 km and is called the
C/A (Coarse Acquisition) code.

Every 20th cycle (= 1/50th second) the C/A code may change phase and is
used to encode a 50 bits/sec data message as well as serving as a 6000
km
range marker (note that 6000 km is approximately one earth radius).
The 50 b/s data is used to encode a 1500 bit long message which contains
(among other things):
 - The current GPS date/time and the GPS-UTC correction
 - High accuracy ephemeris information to locate the satellite
 - Information on the current offset and rate errors for the atomic
clock
 - Low-accuracy "almanac" data on all the other GPS satellites
 - A crude estimate, based on solar flux, of ionospheric delay
corrections

Your receiver makes a time "hack" on the code timing data for each of
the
GPS satellites in terms of its local (cheap) crystal oscillator clock
and
in its carrier phase tracking loop it measures the apparent frequency
of each GPS satellite; these are usually called the pseudorange (PR) and
pseudorange rate (PRR) (although the PRR is sometimes also called the
apparent Doppler offset). The PR's are typically measured to a few
percent
of the 1.023 Mb/s (~300 meter wavelength) C/A code -- i.e. at the 10
meter or better level. The PRR's are typically measured to a fraction of
a Hertz (corresponding to the Doppler shift for a speed ~5 to 10 cm/sec
= 0.1 to 0.2 miles/hr).

Your receiver then applies all the geometric corrections (from the GPS
ephemeris message) to account for the satellite's position and apparent
velocity (including both the satellite's motion and the earth's rotation
on its axis). By using the PRs and the geometric data from at least 4
satellites, we can determine our 3-D (Lat/Lon/Hgt) and the time error in
our receiver's clock. Similarly 4 PRRs and the satellite clock time-base
error data (again taken from the message data) can be used to find our
3-D vector velocity and the frequency error in our receiver's local
```

oscillator. Because the geometry is not perfect, the uncertainty in determination of position and speed is poorer than the individual measurements. Your receiver produces parameters called PDOP (Position Dilution of Precision), HDOP (H=horizontal) and VDOP (V=vertical) as a measure of how the observing geometry is spoiling your measurements; a PDOP=2 means that the position is a factor ~2 worse than the accuracy of the individual PRs.

The measurements are never perfect for other reasons. The receiver has an intrinsic noise level, there are errors in the ephemeris data, the signal from the satellites is delayed as it passes through the earth's ionosphere and troposphere, etcetera. And the US Dept. of Defense (DoD) has invoked the nasty effect called Selective Availability (SA).

The major SA effect comes from the fact that the satellites have a phase shifter (the electronic equivalent of a line stretcher) in the output of the 10.23 MHz atomic frequency standard, and the clock signal is dithered with a secret pseudo-random sequence. On long time scales, the SA dither averages to zero; we have experimentally measures SA's power spectrum and find that it is band-limited in the range from a few seconds to ~1/2 hour. The DoD "guarantees" that the rate of change of the SA modulation will be slower than ~1 mile/hour so that the speed you derive from the PRRs isn't to badly effected. And we have found that the SA modulation has no coherence between the different satellites in view.

The "secret" DoD user has special hardware that produces the clock corrections corresponding to the SA modulation. The "secret" user applies these to the observed PRs and PRRs before munching on the data to produce positions and Voila! the nasty effects of SA are removed. The small "secret" user still loses quality because of the other errors mentioned -- especially inaccuracies in the broadcast ephemeris and propagation errors imposed by the troposphere and the ionosphere.

Here is where the smart civilian users can defeat the DoD and make SA be irrelevant. Set up a high quality GPS receiver at a fixed location. Fix its position to an accurately surveyed value. Observe all the satellites that other users in the area will be using but don't solve for position -- instead, you derive all the PR and PRR differences from that for your perfectly determined positions and transmit these errors by radio. This process has been dubbed Differential GPS (DGPS).

Note that the PR and PRR errors that the DGPS base station transmits have all the SA corrections (the same ones the "secret" user would have derived) plus the ad hoc corrections that account for errors in the GPS message ephemeris and those due to the earth's atmosphere.

The corrections are "valid" for ~50 miles around the base station corresponding to the region where the atmospheric and geometric corrections are (nearly) identical. With high-quality DGPS signals from a base station < 10-20 miles away, feeding a good user GPS receiver every few seconds, performance as good as ~1 meter can be achieved (as contrasted to ~10-20 meters if the DoD turned off SA). The DGPS performance is BETTER than can be achieved by GPS alone!

Keith, KF4BXT asked:
> Would you, or someone, be willing to explain the "mechanics" of using
> what you described. Try not to get too technical please.
> Specifically, how are the corrections transmitted, received and applied
> to my combo GPS/TNC/Computer/APRS/Radio conflag...er I mean
> configuration? :-)

Well, the signals have to be available from somebody's base station in your area. Here in the Balto/Wash area, I am transmitting DGPS beacons every 20 seconds (not really often enough, especially since the radio links are often marginal) on 145.79 APRS frequency. All that the local users have to do is to poke the 4800 b/s RS232 data from their TNC into the DGPS RS232 input connector on their GPS receiver. The APRS code provides a path so that the DGPS beacons addressed W3IWI-13>DGPS can be passed through to the receiver. Or you can just use an RS232 "hardwire" connection. The W3IWI-13 site is using a professional GPS receiver (Trimble 4000SSE, costing ~$25000) hooked onto one of the L-band power splitter ports I have at my "GODE" IGS (International GPS Service for Geodynamics) site. The SSE produces RS232 DGPS outputs which serve as the "professional -> amateur" interface. On the amateur side is a PK232 TNC and an IC27 radio of mine.

Elsewhere in the US, DGPS bits are available "free" on ~300 kHz supplied

by the US Coast Guard. Click the DGPS button on their web site at
       http://www.navcen.uscg.mil/
for more details; their web site included coverage maps to answer Roger,
KB9LBU's question about northern Illinois.

There are two commercial suppliers of DGPS signals -- DCI (Digital
Corrections Inc.) and AcquPoint. DCI's president is an amateur and he
monitors APRSSIG and may want to inject some additional comments).
They both deliver their bits on subcarriers on local FM radio stations
(DCI = RDS format, AcquPoint = pager format) and are available almost
anywhere in the USA (and DCI has partners in many foreign countries).
You buy their special receiver and then you subscribe to the DGPS bits.
DCI can be found on the web at http://www.dgps.com/ with North American
coverage data available at http://www.dgps.com/north.html . I can't
seem to locate AcquPoint's presence on the web.

Regarding the ~300 kHz DGPS receivers: The signals are 50/100/200 b/s
MSK signals. Some amateurs have tried to hack homebrew receiver, but I
don't know of any successes. Two companies that I know of are selling
small, board-level "OEM" DGPS receivers:
  - Pacific Crest
  - CSI (see http://www.csi-dgps.com/sbx2.htm)
Modular receivers can be seen at your local boat store and cost in the
$400-500 range. Also see Starlink at http://www.starlinkdgps.com/ .

Regarding amateur efforts: The Motorola ONCORE receiver now being
offered by TAPR can generate DGPS signals and costs (for members) $269.
The ONCORE's DGPS corrections are in a Motorola proprietary format
(NOT THE STANDARD RTCM SC-104 FORMAT !!!!) but the format is well
documented and contains all the important information included in the
RTCM SC-104 spec. There has been some discussion of using either an
antique PC or a small microprocessor (PIC, 68HC11, ???) with two serial
ports to reformat the data into RTCM format. Folks have suggested (and
I don't want to get into the "Is it legal?" jailhouse lawyer game) that
a group might purchase one ~300 kHz Coast Guard DGPS receiver and re-
transmit the bits on amateur channels. [Or maybe DCI could have their
arm twisted to be cooperative ???]. Otherwise, if you have access to a
high quality commercial DGPS base station receiver like I did, it only
requires plugging a TNC/radio into the receiver's RS232 port.

Hope this helped. 73 de Tom, W3IWI

732. Tracking Marathon runners.

From: Tom Fleming N9SZF <n9szf@skywarn.cs.wisc.edu>
Date: Thu, 22 May 1997 10:34:53 -0500 (CDT)
To: aprssig@tapr.org, scwi-hams@skywarn.cs.wisc.edu
Message-ID: <Pine.LNX.3.91.970522102758.31244B-100000@skywarn.cs.wisc.edu>
Rendered body type: text/plain

Thanks to WJ9H and N9VWH, we will be able to track where the lead runner
is using aprs. Paul (N9VWH) has put a GPS unit on the Hummer and will
ride along. Tom (WJ9H) will be placing a monitor(s) in the Comm / Command
tent so key personnal will get real time info. The run is this Sunday
starting at 8:00 am in Madison WI.

BYW, I could use some more operators

Tom Fleming - N9SZF
South Central Wisconsin Skywarn
Dane County ARES

"All spelling errors are intentional and are there to show new and improved
ways of spelling old words" - Harald Gellein

733. MIC-E Comments

From: "Eric A. Cottrell" <eac@shore.net>
Date: Thu, 22 May 1997 11:37:03 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <199705221537.LAA25613@northshore.shore.net>
Rendered body type: text/plain

Hello,
Good to see everyone at Dayton. I guess I should subscribe to the Mic-E
list and see what is going on. I got one of the units at Dayton and
WB1HBU-9 is perhaps the first Mic-E on in Boston area.

I found an error in the back panel drawing (tx audio and rx audio callout
is reversed. The docs were alittle confusing as I had to search around

to find information and the functions of all the plugs, jumpers, and jacks were not described (The ext GPS plug was but the rx audio one was buried in another description).

I am having some problems with the knobs. The period knob is too big and covers the printing on the panel. The major problem is that I cannot get the other two knobs on the switch shafts tight enough not to slip.

73 Eric eac@shore.net   WB1HBU

734. Road Trip: San Diego

From: "Mark D. Fellhauer" <sparkfel@primenet.com>
Date: Thu, 22 May 1997 09:15:56 -0700 (MST)
To: aprssig@tapr.org
Message-ID: <1.5.4.16.19970522091558.25c78f32@mailhost.primenet.com>
Rendered body type: text/plain

If all goes well in the next few days, I'll be road tripping to San Diego from Phoenix, on Friday or Saturday,
May 23 or 24.

My tracker should be up and running on my way over there and while I'm in town. So look for me.

My laptop battery died, so I'll probably not have any APRS capability in town though...sigh.

73,

Mark

735. DGPS Providers

From: "Borcher, David (NG-MS)" <DBORCHER@nogmail.gi.com>
Date: Thu, 22 May 1997 12:03:00 -0700 (PDT)
To: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <338495D4@gismtpgate.gi.com>
Rendered body type: text/plain

Tom & SIG,

I checked the DCI web site and found it to be
informative enough.

The Acqupoint site is actually AccQpoint (spelling
is SO critical, darn it) and can be found at www.rtk-fm.com.

I'll wait for the "free" DGPS, I guess.

Dave K7NG

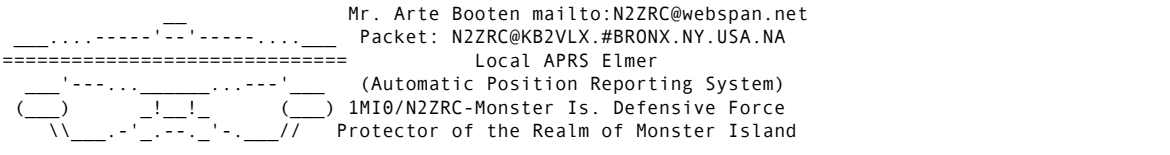
736. Re: Tracker Color

From: Arte Booten <n2zrc@webspan.net>
Date: Thu, 22 May 1997 09:39:14 -0400
To: aprssig@tapr.org
Message-ID: <33844C82.7A69@webspan.net>
Rendered body type: text/plain

Hi all,

Bill Nolle wrote:

>Sorry I ever brought the subject of standalone gps trackers up ... If
>anyone ... feel[s] that my posting[s] ... are not for the good of the
>sig or aprs then feel free to dump me.

     Personally, I think just the opposite. We've gotten a lot of good discussion going on this thread. It sometimes got off into other tangents (and occasionally tongue-in-cheek,) but isn't that what the SIG's for anyway? Taking an argument, looking at it from a bunch of different angles and seeing which way the chips fly? You did good, Bill. 73
--

Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island

```
     `````.__'--'__.'`````Cruise Missile Coordinates 4052.71N/07354.06W
          ````
```

... But those coordinates are deep within the planetoid  ...

## 737. Re: APRSSIG:12857 - About DGPS -- a tutorial

From: CHEAD@CESADM.CORP.ti.com
Date: Thu, 22 May 1997 14:24:57 -0500 (CDT)
To: aprssig@tapr.org
Cc: CHEAD@CESADM.CORP.ti.com
Message-ID: <970522142457.37802236@CESADM.CORP.TI.COM>
Rendered body type: text/plain

Thanks to Tom, W3IWI, for a super paper on DGPS. A couple of questions, please, Tom:

1. Is there some middle ground between your $25K Trimble 4000SSE and some less expensive receivers that amateurs might be able to afford that would provide a worthwhile locally supported DGPS system?

2. Digital Corrections, Inc. (DCI), offers several different classes of DGPS signals, at several differnt prices. How do they do that? Leave off some of the LSBs from the less precise correction signals, maybe?

3. Transmitting the DGPS signals on 145.79 is really neat from the standpoint of reducing the number of peices of equipment needed. The downside is congestion on the frequency. Many of the dual banders now can use both sides on the same band. Questions of obtaining another frequency aside, what are the technical pros and cons of transmitting the DGPS signals on a frequency other than 145.79, either in the two meter band, or maybe 220 or 440?

4. Try looking for AccqPoint on www.accqpoint.com. Good information there. Note the difference: AcquPoint <> AccqPoint.

   73 de Claude K5DTN

## 738. RE:DGPS

From: kd4emi@juno.com (Michael A. Kantor)
Date: Thu, 22 May 1997 16:13:26 -0400
To: aprssig@tapr.org
Message-ID: <19970522.161326.11598.0.KD4EMI@juno.com>
Rendered body type: text/plain

2 thoughts on DGPS

#1 Doesnt xmitting that every 20 secs really lock up a network ?

and

#2
I'm not sure, but it SEEMS that your retransmitting something that is commercially available..? DGPS is supplied by gov/commercial agencies right ?
All your doing is rebroadcasting it ?  Hmmm

When I tried to use NWS beacons everyone got into a uproar..
Wanted to trigger a aprs alert for wx when my rs wx monitor went off...

Hmmm
Mike KD4EMI@JUNO.COM

## 739. WinAPRS Memory Usage List

From: "W. A. Carreira Jr. [N1NFC]" <n1nfc@eagnet.com>
Date: Thu, 22 May 1997 16:49:52 -0400
To: aprssig@tapr.org
Message-ID: <B0000448047@mail.eagnet.com>
Rendered body type: text/plain

If I have 16 active stations on my posit list. Why would the memory usage list still show 136 stations and a higher memory usage than needed? During the night when the band opens I do get a high number of stations, but when they time out I would think that the program would give that memory back for later use. Is this a problem or am I missing something? I have had this thing running for 2 days now without crashing. This is a plus!

73

Bill Carreira Jr.    Email:n1nfc@callsign.net
LT  NREMT-I              :n1nfc@hotmail.com
KINGSLAND FIRE RESCUE AMPR:n1nfc@ampr.america.com
Kingsland, GA 31548
Phone:912-729-5287
http://www.eagnet.com/edipage/user/n1nfc/n1nfc.htm
http://www.eagnet.com/edipage/areaserv/kfd/kingsland.htm

"The fire pentahedron consists of: Oxygen, Heat, Fuel, Chemical
Chain Reaction, and the Chief. Take any one of the 5 away and the
fire goes out!"

## 740. Re: [APRSSIG:12864] RE:DGPS

From: rwf <rwf@mindspring.com>
Date: Thu, 22 May 1997 17:33:18 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970522173008.00a887bc@mindspring.com>
Rendered body type: text/plain

Mike Kantor wrote about DGPS:
>
>#1 Doesnt xmitting that every 20 secs really lock up a network ?

Not if it is coming direct from the Digi with no UNproto path

Yes, if it is coming from a user using a path  (ie: DGPS via KD4EMI-3,WIDE

## 741. RE MIM

From: kd4emi@juno.com (Michael A. Kantor)
Date: Thu, 22 May 1997 17:46:45 -0400
To: aprssig@tapr.org
Message-ID: <19970522.174646.14126.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ok guys, got the msg on the mim !

Mike

## 742. Re: [APRSSIG:12618] APRS city, coverage

From: "Eric A. Cottrell" <eac@shore.net>
Date: Thu, 22 May 1997 20:13:23 -0400
To: TomR736570@aol.com
Cc: aprssig@tapr.org
Message-ID: <3384E123.29CE@shore.net>
Rendered body type: text/plain

TomR736570@aol.com wrote:
>
> SE New Hampshire is a sparse area.  Only a few users, signal digipete is

Hello,

I got WinAPRS at Dayton and was surpised at what I think is a
good level of activity in Eastern Ma.  I see a few stations up
there in NH as well.  If this is low activity then I would like
to see what an area with high activity looks like.

I got a Mic-E up and running occasionally as WB1HBU-9.  I am
still setting everything up and will not be full time at home
as I do satellite stuff as well.

73 Eric eac@shore.net  WB1HBU

## 743. Oh my technological God!

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 May 1997 20:57:30 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970522205727.00686f94@mailhost.primenet.com>
Rendered body type: text/plain

I just got my new Crutchfield catalog today, and inside is a picture and
description of Clarion's new VRX8271 car stereo, and it really has to be
seen to be believed.

The head-end of the unit is a standard DIN sized car stereo, but it is
motorized and flips out to reveal a 5 inch active matrix display and
control panel on the "bottom" of the unit.  Mentioned, but not priced, are
two accessory items.  1) a rear mounted video camera  2) A CLARION

NAVIGATION SYSTEM

I have two questions:

1)  How can we integrate this screen to display APRS?

2)  Whose gonna loan me $1800 so I can buy one?  My birthday is in June...

You can see it at:

http://www.clarionmultimedia.com

73,

Mark

## 744. Re: [APRSSIG:12869] Oh my technological God!

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 22 May 1997 22:39:04 -0600 (MDT)
To: Mark Fellhauer <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970522223631.7655C-100000@flatland.dimensional.com>
Rendered body type: text/plain

On Thu, 22 May 1997, Mark Fellhauer wrote:

> 2)  Whose gonna loan me $1800 so I can buy one?  My birthday is in June...

Lemme answer the above question this way:  Are there any banks in Arizona
you could perhaps ROB by some chance????  :-)  hee hee hee hee

> 73,

Patrick, KB0OXD
Denver, Colorado

## 745. Re: Road Trip: San Diego

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 May 1997 21:57:12 -0700
To: Pete <tech1@thegrid.net>, aprssig@tapr.org
Message-ID: <3.0.32.19970522215705.00688880@mailhost.primenet.com>
Rendered body type: text/plain

At 09:37 PM 5/22/97 -0700, Pete wrote:
>Hi Mark,
>
>Wish you were commig through my town (San Luis Obispo) but I'm many miles
>north of San Diego, drat!!!  I'm the only one running APRS here at the time
>and it sure would be a welcome sight to see someone else on my screen other
>than myself. Hope your trip goes well. BTW, you didn't mention what
>frequency you would be using.
>
>73's     de  WA6DFU   Pete
>

145.79 (of course)

And I know where SLO is as I considered attending Cal Poly...

73,

Mark
KC7BXS

## 746. Re: Oh my technological God!

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 22 May 1997 22:05:00 -0700
To: Patrick Cook <patcook@dimensional.com>
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970522220457.0068804c@mailhost.primenet.com>
Rendered body type: text/plain

At 10:39 PM 5/22/97 -0600, Patrick Cook wrote:
>On Thu, 22 May 1997, Mark Fellhauer wrote:
>
>> 2)  Whose gonna loan me $1800 so I can buy one?  My birthday is in June...
>
>Lemme answer the above question this way:  Are there any banks in Arizona

>you could perhaps ROB by some chance????  :-)  hee hee hee hee
>

Gee, I was kinda hoping the SIG would get together and buy me one for my
b-day :)

Bank robbers don't seem to be doing too well in Arizona right now...

BTW, to put this more on topic, Phoenix banks are putting radio
transmitters into the "take" of robbers now.

How's that for a fox hunt?

73,

Mark
KC7BXS

## 747. Re: APRS Tracker

From: henryvb <henryvb@dpliv.com>
Date: Fri, 23 May 1997 00:52:52 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <338530B4.2B58@dpliv.com>
Rendered body type: text/plain

Several people have been complaining because standalone trackers turn up
as light grey instead of white.  Well, computer-equipped mobiles turn up
white, so white is being used.

I do agree that standalone trackers should be reasonably visible on the
screen, but changing the color scheme of the whole program is not the
answer.  White stations are showing up just fine on mono laptops right
now, so they should stay the same.  I would suggest a change to the
standalone trackers to another color.

Since another color doesn't exist, and the light grey coloring only
applies to DOS users because in Win/Mac, cars are cars and they show up
in red because that's the icon color the Sprouls chose, regardless of if
the mobile is running APRS or not, and since the color of a symbol does
not prevent users from attempting to send messages to it (we have users
sending messages to GREEN STARS in our area all the time until we teach
them not to), then I think we should just make all mobiles white and
make the world happy.

If the owner of the tracker wants to make sure everybody knows he is a
tracker, he should place "tracker" or "TNC only" in his Beacon text.

Henry
N9WMM
henryvb@dpliv.com

## 748. Map Server

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Fri, 23 May 1997 02:25:20 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970523022517.006a4ce8@mailhost.primenet.com>
Rendered body type: text/plain

I seem to recall there used to be a map server on the web where one could
input an address and it would display a map and the address' Lat and Lon.
Does anyone here know of a site like that?

73,

Mark
KC7BXS

## 749. RE: [APRSSIG:12705] Mic-E GPS Output

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 23 May 1997 06:55:38 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>,
        "'dfroula@interaccess.com'"
 <dfroula@interaccess.com>
Cc: "'MIC-Encoder SIG'" <mic-e@tapr.org>
Message-ID: <01BC6746.52F6AA00@gwyn>
Rendered body type: text/plain

You are correct about the purpose and wiring of the stereo jack.

The output data from the GPS receiver are available at pin 3 of J2 if no plug is inserted in J2. You would need to
run a wire from that point to the appropriate point in the cable to your PC.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

---
From: Donald R Froula[SMTP:dfroula@interaccess.com]
Sent: Monday, May 19, 1997 7:14 AM
To: aprssig@tapr.org
Subject: [APRSSIG:12705] Mic-E GPS Output

After examining the Mic-E documentation, I'm unclear on one point. Perhaps someone on the list can supply the information.

If an internal GPS is installed, is the data output from the GPS available at the transmit data line of the DB-9 and/or stereo 1/8" jack? The docs seem to indicate that the transmit data line is only used for programming in personality data to the PIC chip.

Availability of the GPS data would be useful for connecting a PC running APRS in the car, while still allowing locations to be transmitted to others.

Regards,

Don Froula
WD9DMP

## 750. Re: [APRSSIG:12859] MIC-E Comments

From: "Hildebrand" <bhildebrand@worldnet.att.net>
Date: Thu, 22 May 1997 13:02:50 -0700
To: <eac@shore.net>, <aprssig@tapr.org>
Message-ID: <19970523110942.AAA19629@toshiba>
Rendered body type: text/plain

I also obtained a Mic-E at Dayton. I have it up and working with a Kenwood TM-251A. I did drill out one of the switch holes on the front panel because of binding, but have had no problem with the knobs slipping. I'm using APRSa4 v0.4.01 which correctly decodes all Mic-E data. One thing I've noticed is that the output from the Mic-E sometimes produces spurious data. Examples, adding an SS-ID occasionally, or changing a letter in the callsign. Otherwise, the connections to the radio and GPS are very simple with few connections required. It is a great unit.

BH, KH2Z

---
> From: Eric A. Cottrell <eac@shore.net>
> To: aprssig@tapr.org
> Subject: [APRSSIG:12859] MIC-E Comments
> Date: Thursday, May 22, 1997 8:41 AM
>
>
> Hello,
> Good to see everyone at Dayton. I guess I should subscribe to the Mic-E
> list and see what is going on. I got one of the units at Dayton and
> WB1HBU-9 is perhaps the first Mic-E on in Boston area.
>
> I found an error in the back panel drawing (tx audio and rx audio callout
> is reversed. The docs were alittle confusing as I had to search around
> to find information and the functions of all the plugs, jumpers, and
> jacks were not described (The ext GPS plug was but the rx audio one was
> buried in another description).
>
> I am having some problems with the knobs. The period knob is too big and
> covers the printing on the panel. The major problem is that I cannot get
> the other two knobs on the switch shafts tight enough not to slip.
>
> 73 Eric eac@shore.net WB1HBU

## 751. Re: [APRSSIG:12874] Map Server

From: Todd Erickson <z008876b@bc.seflin.org>
Date: Fri, 23 May 1997 07:39:18 -0400 (EDT)

To: Mark Fellhauer <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.3.89.9705230745.A12309-0100000@bc>
Rendered body type: text/plain

I think Lycos used to do that but not too sure.

73,

KA4RTK

Todd Erickson
z008876b@bcfreenet.seflin.lib.fl.us

## 752. Re: Oh my technological God!

From: Arte Booten <n2zrc@webspan.net>
Date: Fri, 23 May 1997 07:10:37 -0400
To: aprssig@tapr.org
Message-ID: <33857B2D.7DE5@webspan.net>
Rendered body type: text/plain

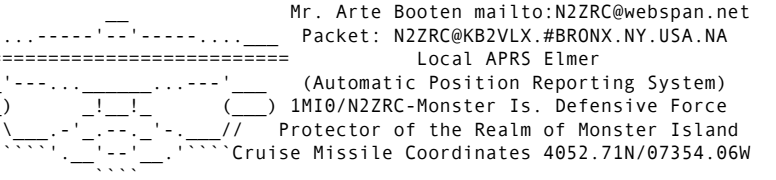
Hi all,

Patrick Cook replied to:
Mark Fellhauer's:

>>Whose gonna loan me $1800 so I can buy one?  My birthday is in June...

with

>Lemme answer the above question this way:  Are there any banks in
>Arizona you could perhaps ROB by some chance????  :-)

     Now we know why he's taking that trip to San Diego!  Or is he going
to Tijuana!  <g>  73
--

Mr. Arte Booten mailto:N2ZRC@webspan.net
Packet: N2ZRC@KB2VLX.#BRONX.NY.USA.NA
Local APRS Elmer
(Automatic Position Reporting System)
1MI0/N2ZRC-Monster Is. Defensive Force
Protector of the Realm of Monster Island
Cruise Missile Coordinates 4052.71N/07354.06W

... But those coordinates are deep within the planetoid  ...

## 753. which map

From: BRUCE STRONG <bs02@engr.uark.edu>
Date: Fri, 23 May 1997 08:10:39 -0500 (CDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970523080728.25593B-100000@cseg03>
Rendered body type: text/plain

I'm new to this but the amateur radio club at the Univ. of Arkansas,
Fayetteville, (w5YM) is putting together an aprs demonstration.

However, we don't have the correct map to use.

Can anyone tell me which map to use for NW Arkansas or where
I can get it (presume it is on a CD somewhere)?

We want the street level of Fayetteville so we can put a transmitter
on a bus and show the location of the bus as it travels around town.

Thanks, in advance.

Bruce
AH2AK
..

## 754. Re: [APRSSIG:12877] Re: Map Server

From: "Tom Busch" <tomb@avoca.se.crane.navy.mil>
Date: Fri, 23 May 1997 08:23:25 -0500
To: <aprssig@tapr.org>
Message-ID: <2D163067D4@avoca.se.crane.navy.mil>
Rendered body type: text/plain

Try http://www.mapquest.com/

Also, the Census Bureau runs one at http://tiger.census.gov/

TomB

## 755. Mic-E's

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 23 May 1997 09:40:48 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970523093428.1541H-100000@arctic>
Rendered body type: text/plain

APRSdos REPLY/COMMENT: Even without using the Mic-E on a voice channel, you can think of it as a stand-alone-tracker with FRONT PANEL controls of your PATH, POS RATE and MESSAGE. That alone is worth a lot.

With the Mic plugged into the Mic-E, I now found that I could put the radio somewhere out of the way since it does not have to have the Mic plugged into it. I put this radio in my door panel and adjust the freq with my left hand. This would never work normally since the Mic cord would get involved with the steering wheel.

In this case, I have the Mic-E in the roof above the rear-view mirror and the Microphone hangs up there too... Just a new option I had not considered before.

P.S. the NMEA ground loop in the audio went away in the final configuration... musta been a bad connection...

See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 756. WORLDWIDE APRS Satellite Tracking

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 23 May 1997 09:57:35 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970523094143.1541J-100000@arctic>
Rendered body type: text/plain

My TRAKNET article was published in this months AMSAT Journal. If you know anyone that is into the 1200 baud PACSATS, start twisting their arms to set up an automatic PACSAT APRS Downlinnk. Those 4 satellites give us 24 satellite passes per day WORLDWIDE and all it takes is 5 watts and any TAPR-2 compatible TNC (with an 89 cent mod) to digipeat your POSIT!

If you dont get the AMSAT Journal, but do have a recent copy of APRSdos, then TRAKNET.TXT should be in the README files...

THe point of the article is that ANYONE with a 2m mobile rig can EASILY uplink a posit and we only need 8 or so DOWNLINKS Nationwide to digipeat these packets out onto our terrestrial and internet APRS nets. The CHALLENGE is to find those 8 dedicated individual SATELLITE operators willing to operate their PACSAT stations in automatic to pick off these digipeated packets. So if you know of a satellite guy looking for a challenge, here is an opportunity to do some convincing...

See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 757. One Radio for APRS and VOICE!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 23 May 1997 10:37:13 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970523101047.1541N-100000@arctic>
Rendered body type: text/plain

Here is a NEAT WAY to hook up a stand along tracker if you have a radio that MIGHT do these tricks. WIth this arrrangement, you use the radio as normal, but you hook your Mic-E or Stand-Alone-Tracker to the DATA input and whenever the PACKET PTT goes low, the radio QSY's to 145.79, sends the packet, and then returns to your VOICE channel automatically! This way you can use one radio for both voice and tracking WITHOUT WAITING for someone to install a TNC at your favorite repeater.

Here's how on the KENWOOD TM-V7A:

1) Use MENU item 15 and set up DATA RX band.  THis makes the radio
   switch to the "RX BAND" to TRANSMIT its packet.  "RX Band" means
   the "other" band which you are not using for voice..

2)  Set up your "RX BAND" to 145.79 (or APRS in your area).

With this arrangement then you can operate VOICE on the other band (UHF in
this case) OR on the same VHF BAND!  Here is the TRICK!

YOu can set up this radio to operate BOTH "bands" on the SAME band.  Press
the right or left BAND select button and then press the "F" and then
COLTROL-SELECT button (between the two buttons) to toggle on and off.

Of course you plug your Mic-E or Stand Alone Tracker into the DATA jack
and not the MIC jack.  Operate the Mic-E in AUTO mode all the time, since
it will now only key up on 145.79...

I havent done this yet, but if anyone else as a TM-V7A, please do it and
let me know...


 Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 758. RTCM-104 from Motorola Oncore GPS


From: Donald R Froula <dfroula@interaccess.com>

Date: Fri, 23 May 1997 10:20:40 -0500 (CDT)
To: aprssig@tapr.org
Cc: dfroula@interaccess.com
Message-ID: <199705231520.KAA06943@flowbee.interaccess.com>
Rendered body type: text/plain

I am working on a microprocessor solution to turn the proprietary differential
format output from a Mortorola Oncore GPS into standard RTCM-104 signals. These
could then be broadcast via packet and used to feed the differential input data
line on any differential-rady GPS. This includes nearly all Garmin and Magellan
units, but not the Tripmate.

The platform I'm using is a 40-pin DIP 68HC705C8 microcontroller. However, the
code should port easily to a 6hHC11 series micro.  The implementation will
include both Type 1 and Type 2 messaging.

This would allow ham clubs to set up a reasonably accurate differential GPS
beacon using the cheap Motorola receiver.  Is there any interest in this
project on the list?  It's been a low-priority background task lately.

Regards,


Don Froula
WD9DMP
dfroula@interaccess.com


## 759. Re: Map Server


From: "Mark D. Fellhauer" <sparkfel@primenet.com>

Date: Fri, 23 May 1997 08:26:08 -0700 (MST)
To: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
Cc: aprssig@tapr.org
Message-ID: <1.5.4.16.19970523082611.1ff72a00@mailhost.primenet.com>
Rendered body type: text/plain

All of these are great map servers but it seems that people don't understand
what I'm asking for.  I clearly stated that I want to input an adress and
from that get a printout of the address' LAT AND LON.  I don't car about the
map.  I WANT THE LAT AND LON.  None of these map servers print out the LAT
AND LON of the address I enter.

At 09:26 AM 5/23/97 -0400, Robert Kirk wrote:

>At 04:31 23-05-97 -0500, you wrote:
>>
>>I seem to recall there used to be a map server on the web where one could
>>input an address and it would display a map and the address' Lat and Lon.

>>Does anyone here know of a site like that?
>>
>>73,
>>
>>Mark
>>KC7BXS
>>
>
>
>There are actually several. One is:
>
>   http://maps.yahoo.com/yahoo/
>
>Cheers, Bob Kirk N3OZB
>
>

## 760. [APRSSIG:12883] One Radio for APRS and VOICE! -Reply

From: Paul Plasters <PEPLASTERS@mail.rkd.snds.com>
Date: Fri, 23 May 1997 10:42:37 -0500
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <s38574a6.099@mail.rkd.snds.com>
Rendered body type: text/plain

Hi ALL;
If any one proves this will work, please put it on the net.  Kenwood is not
my favorite company, but I will consider one if it will do this and no other
radio will.
Thanks, Paul WA9FFL

>>> Bob Bruninga <bruninga%nadn.navy.mil@internet.rkd.snds.com>
05/23/97 09:37am >>>
Here is a NEAT WAY to hook up a stand along tracker if you have a radio
that MIGHT do these tricks.  WIth this arrrangement, you use the radio as
normal, but you hook your Mic-E or Stand-Alone-Tracker to the DATA
input
and whenever the PACKET PTT goes low, the radio QSY's to 145.79,
sends the
packet, and then returns to your VOICE channel automatically!  This way
you can use one radio for both voice and tracking WITHOUT WAITING for
someone to install a TNC at your favorite repeater.

Here's how on the KENWOOD TM-V7A:

1) Use MENU item 15 and set up DATA RX band.  THis makes the radio
   switch to the "RX BAND" to TRANSMIT its packet.  "RX Band" means
   the "other" band which you are not using for voice..

2)  Set up your "RX BAND" to 145.79 (or APRS in your area).

With this arrangement then you can operate VOICE on the other band
(UHF in
this case) OR on the same VHF BAND!  Here is the TRICK!

YOu can set up this radio to operate BOTH "bands" on the SAME band.
Press
the right or left BAND select button and then press the "F" and then
COLTROL-SELECT button (between the two buttons) to toggle on and
off.

Of course you plug your Mic-E or Stand Alone Tracker into the DATA
jack
and not the MIC jack.  Operate the Mic-E in AUTO mode all the time, since
it will now only key up on 145.79...

I havent done this yet, but if anyone else as a TM-V7A, please do it and
let me know...

 Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:
http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 761. Re: [APRSSIG:12874] Map Server

From: blitz <blitz@cataract.nfss.edu.on.ca>
Date: Fri, 23 May 1997 12:52:47 -0400

To: sparkfel@primenet.com
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970523125242.006d43dc@strikenet.ccnn.net>
Rendered body type: text/plain

At 04:28 AM 5/23/97 -0500, you wrote:
>
>I seem to recall there used to be a map server on the web where one could
>input an address and it would display a map and the address' Lat and Lon.
>Does anyone here know of a site like that?
>
>73,
>
>Mark
>KC7BXS
>
>Try Xerox PARC

http://pubweb.parc.xerox.com/map

I use that one for live mapping for web pages all the time. Its also the
one that shows the position of earthquakes for the page at:
http://www.civeng.carleton.ca/cgi-bin/quakes

Also Yahoo has a mapping area:  http://maps.yahoo.com/yahoo/

which might be what youre thinking of...

in any case, good mapping...

.\\arc

## 762. Re: [APRSSIG:12885] Re: Map Server

From: John Maultsby <maultsby@mindspring.com>
Date: Fri, 23 May 1997 12:58:53 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970523125843.006b17e4@pop.mindspring.com>
Rendered body type: text/plain

At 10:27 AM 5/23/97 -0500, Mark D. Fellhauer wrote:

>All of these are great map servers but it seems that people don't understand
>what I'm asking for.  I clearly stated that I want to input an adress and
>from that get a printout of the address' LAT AND LON.  I don't car about the
>map.  I WANT THE LAT AND LON.  None of these map servers print out the LAT
>AND LON of the address I enter.

http://tiger.census.gov will give you that, to an extent. You can't enter
the address directly, however you can navigate through the maps if you know
where the address is, and THAT will give you the lat and lon.

To get EXACTLY what you are asking for, go to a computer store and buy
Street Atlas 4.0 for around $40.  You ain't gonna get much in life for free.

_____
- John Maultsby, maultsby@mindspring.com
- http://www.mindspring.com/~maultsby
- Ham radio call: AB5WH

## 763. Re: [APRSSIG:12869] Oh my technological God!

From: "Chris Terwilliger" <a229aa@email.mot.com>
Date: Fri, 23 May 1997 10:09:07 -0000
To: <aprssig@tapr.org>
Message-ID: <9705231707.AA11966@mogate.sps.mot.com>
Rendered body type: text/plain

This type of technology is only the tip of the iceberg...wait till you see
what MS is gonna do to cars with WindowsCE...and if you don't think WinCE
is a viable platform for mapping applications, go here:

http://www.agrilogic.com/

Chris, AA7WD

## 764. NEW APRSdos WX beta

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 23 May 1997 13:45:33 -0400 (EDT)
To: aprssig@tapr.org
Cc: bordingK@aol.com, peetbros@peetbros.com

Message-ID: <Pine.SOL.3.96.970523134112.4706A-100000@arctic>
Rendered body type: text/plain

I just posted a version called APRSD1.zip which contains APRSD1.exe and of course the usual NEWNOTES.TXT.  This version will still carry the 792 version number but is a fix to the receipt of REMOTE WX.  Thanks to BordingK for DOCUMENTING his remote WX so I could see how I was missing the GUST wind and also the RAIN count.

Please if you have a remote ULTIMETER WX station on the air, run this version and see if it gives you the RAIN you wanted...

Reply mail addr:  wb4apr@amsat.org
US mail address:  115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:  http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:  http://www.tapr.org/tapr/html/mic-e.html

## 765. VANCOUVER MAP

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 23 May 1997 13:53:42 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970523134537.4706B-100000@arctic>
Rendered body type: text/plain

I just finished digitizing the NORTHERN end of VANCOUVER Island for some kind of boat race.  Ill finish the southern half next week, but wanted to get this out there so you can see what it is gonna look like.

For DAVE DOBBINS, Add this to your PNW map files.  ENter it in your maplists as

VncouvrN.map,50.2,126.5,68,  PNW

I will also make a VncouvrC.map and VncouvrnS.map for the Central and Southern end...

If the person that requested these maps gets this message, pse QSL.

## 766. Re: [APRSSIG:12888] Re: Map Server

From: John Maultsby <maultsby@mindspring.com>
Date: Fri, 23 May 1997 13:53:58 -0400
To: aprssig@tapr.org
Message-ID: <3.0.32.19970523135356.006abcb4@pop.mindspring.com>
Rendered body type: text/plain

At 12:06 PM 5/23/97 -0500, John Maultsby wrote:

>To get EXACTLY what you are asking for, go to a computer store and buy
>Street Atlas 4.0 for around $40.  You ain't gonna get much in life for free.

I figured someone would prove me wrong, but it's going to be myself that proves me wrong.  I found a site that appears to do exactly what the gentleman was asking for...  http://www.etak.com/MapDemos.html  will allow you to enter an address, show you on a map where that address is, you can click on a "Lat/Long" radio button, click on the map, and it'll translate that address into coordinates.

Enjoy!

_____
- John Maultsby, maultsby@mindspring.com
- http://www.mindspring.com/~maultsby
- Ham radio call: AB5WH

## 767. Re: [APRSSIG:12885] Re: Map Server

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Fri, 23 May 1997 11:12:16 -0700
To: sparkfel@primenet.com
Cc: aprssig@tapr.org
Message-ID: <3385DDFF.9779AEF9@bigfoot.com>
Rendered body type: text/plain

http://www.geocode.com/eagle.html-ssi

The above page will give you Lat/Long along with some other info that fits on one printed page. The Lat/Long is in the degrees only format DDD.DDDDDD   If you have a GPS you can convert this to degrees/minutes/sec or degrees/min, etc by changing the display format.

Good Luck
Hope this helps...

Mark D. Fellhauer wrote:
>
> All of these are great map servers but it seems that people don't
> understand
> what I'm asking for.  I clearly stated that I want to input an adress
> and
> from that get a printout of the address' LAT AND LON.  I don't car
> about the
> map.  I WANT THE LAT AND LON.  None of these map servers print out the
> LAT
> AND LON of the address I enter.
>
> At 09:26 AM 5/23/97 -0400, Robert Kirk wrote:
>
> >At 04:31 23-05-97 -0500, you wrote:
> >>
> >>I seem to recall there used to be a map server on the web where one
> could
> >>input an address and it would display a map and the address' Lat and
> Lon.
> >>Does anyone here know of a site like that?
> >>
> >>73,
> >>
> >>Mark
> >>KC7BXS
> >>
> >
> >
> >There are actually several. One is:
> >
> >   http://maps.yahoo.com/yahoo/
> >
> >Cheers, Bob Kirk N3OZB
> >
> >

--
******************
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
******************

## 768. Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Fri, 23 May 1997 13:54:08 -0500
To: aprssig@tapr.org
Message-ID: <3385E7D0.24DF@mindspring.com>
Rendered body type: text/plain

Yes the new APRSd1.zip does show the total rainfall in the following
format: R#0006... . I don't know if that is correct or not for .06
rainfall. I guess it suppose to read R#00.06 to be like the UII
controller display, but in any case there it is. (I'm not complaining by
the way).
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 769. Re: [APRSSIG:12888] Re: Map Server

From: "Mark D. Fellhauer" <sparkfel@primenet.com>
Date: Fri, 23 May 1997 12:13:45 -0700 (MST)
To: maultsby@mindspring.com, aprssig@tapr.org
Message-ID: <1.5.4.16.19970523121355.35570d7a@mailhost.primenet.com>
Rendered body type: text/plain

At 12:06 PM 5/23/97 -0500, John Maultsby wrote:

>To get EXACTLY what you are asking for, go to a computer store and buy
>Street Atlas 4.0 for around $40.  You ain't gonna get much in life for free.
>_____

Actually, I got what I wanted at www.geocode.com and it was free...

Tiger Maps are no longer displaying street level...the server mentioned
something about formatting and font problems...

73,

Mark
KC7BXS

## 770. Mic-E

From: kirish <kirish@erols.com>
Date: Fri, 23 May 1997 15:22:42 -0400
To: aprssig@tapr.org
Message-ID: <3385EE82.19A8@erols.com>
Rendered body type: text/plain

So I have not been paying attention to the traffic on the sig lately.
What is a Mic-E?

## 771. Re: [APRSSIG:12863] About DGPS -- a tutorial

From: "Dr Thomas A Clark (W3IWI)" <clark@tomcat.gsfc.nasa.gov>
Date: Fri, 23 May 1997 16:16:09 -0400
To: CHEAD@CESADM.CORP.ti.com, kd4emi@juno.com, aprssig@tapr.org
Message-ID: <3385FB09.2F8E6A71@tomcat.gsfc.nasa.gov>
Rendered body type: text/plain

Claude, K5DTN wrote, in response to my DGPS tutorial
>  1. Is there some middle ground between your $25K Trimble 4000SSE and some
>     less expensive receivers that amateurs might be able to afford
>     that would provide a worthwhile locally supported DGPS system?

I alluded to an idea in the tutorial. The Motorola ONCORE receiver that
TAPR
now has available ($269 to members) can generate proprietary DGPS
signals.
An IOS (Its! Only! Software!) solution is to reformat the proprietary
data
into RTCM SC-104 format for general purpose use. There is a commercial
(with
a several $k price tag) does just this. Perhaps someone from the amateur
community will write the gnu-DGPS software package?

>  2. Digital Corrections, Inc. (DCI), offers several different classes of
>     DGPS signals, at several differnt prices. How do they do that? Leave
>     off some of the LSBs from the less precise correction signals, maybe?

The accuracy level is tied in to the price you pay for data
subscription. I
don't know precisely how they do this -- whether the degrade the data or
just
suppress bits.

>  3. Transmitting the DGPS signals on 145.79 is really neat from the
>     standpoint of reducing the number of peices of equipment needed. The
>     downside is congestion on the frequency. Many of the dual banders
>     now can use both sides on the same band. Questions of obtaining another
>     frequency aside, what are the technical pros and cons of transmitting
>     the DGPS signals on a frequency other than 145.79, either in the two
>     meter band, or maybe 220 or 440?

I used 145.79 here in the Balto/Wash area so that the signals would be
available
to the APRS users with no additional hardware -- but there is no other
magic to
my choice of frequency. The W3IWI-13 location is not that good, so here
in this
area the DGPS corrections are relayed thru WIDE,WIDE so that it comes
close to
covering the entire upper Chesapeake Bay area. Another reason was that I
had a
a spare 2M radio.

>  4. Try looking for AccqPoint on www.accqpoint.com. Good information there.
>     Note the difference: AcquPoint <> AccqPoint.

Thanks to all of you for pointing out the correct web address!

Responding to Michael, KD4EMI who wrote:

> #1 Doesnt xmitting that every 20 secs really lock up a network ?

We have tried really hard to come up with a compromise rate that permits the
DGPS data to be useful and bogging down the network. So far, nobody has stuck
nails in the W3IWI-13 coax!

> #2 I'm not sure, but it SEEMS that your retransmitting something that is
> commercially available..? DGPS is supplied by gov/commercial agencies
> right ?
> All your doing is rebroadcasting it ?  Hmmm

NO NO NO -- I am not rebroadcasting data from anyone. The GPS receiver totally
under my control is generating all bits I am sending. These specific bits are
not available from any other source. The data is, in essence, my observations
at a particular site, of the pseudoranges to the visible GPS satellites. There
is little difference between this application and the fact that APRS is based
on the transmission of positions derived from the same satellites.

The argument that DGPS >>SERVICES<< are available and therefore we should not
duplicate services could be extended to say that your local radio club cannot
have an autopatch on the local repeater since that duplicates services available
by commercial cellular telephone suppliers. It would argue that your local PBBS
duplicates services available on the Internet. Etcetera.

I would advise strongly against raising this as an issue (especially to the FCC).
There is a long history of them making arbitrary decisions to outlaw
activities that are really very desirable simply because the question was
asked; examples include communications support for marathons and the Iditarod
Dog Sled races. Let's keep the jailhouse lawyers out of amateur radio!
Or in other words,
      'TIS FAR BETTER TO BEG FORGIVENESS THAN TO ASK PERMISSION !!

73, Tom

## 772. Portable WX

From: William Nolle <wa8inz@mindspring.com>
Date: Fri, 23 May 1997 15:37:30 -0500
To: aprssig@tapr.org
Message-ID: <3386000A.79EE@mindspring.com>
Rendered body type: text/plain

I just looked at my UII wx station control panel and the rainfall is shown as .6
The APRSD1.ZIP is showing total rainfall in the format R#0006... Now if
this is correct then it's working great for portable wx stations.

Sorry for the error in the previous message that showed the UII panel as .06
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 773. Re: [APRSSIG:12893] Re: Map Server

From: jfrancis@frii.com (Jeff Francis)
Date: Fri, 23 May 1997 14:45:35 -0600
To: kb7qqq@bigfoot.com
Cc: aprssig@tapr.org
Message-ID: <Mutt.19970523144535.jfrancis@deimos.frii.com>
Rendered body type: text/plain

Sam Roe writes:

> http://www.geocode.com/eagle.html-ssi

> The above page will give you Lat/Long along with some other info that
> fits on one printed page. The Lat/Long is in the degrees only format
> DDD.DDDDDD   If you have a GPS you can convert this to
> degrees/minutes/sec or degrees/min, etc by changing the display format.

        ...and has the added advantage that if all you want is lat/lon
(which is usually what I'm looking for), it works well with a
text-only browser, such as lynx (unlike 99% of the other map sites).

--

+-------+------------------------------+-------------------------+--------+
|       |         Jeff Francis         |                         |        |
|  (__) |      Network Specialist      | Anything not worth      | ____/| |
| /( oo |   Paranet - Denver, CO USA   | doing is not worth      | \ o.O| |
|  /_| |     jfrancis@paranet.com     | doing well.             |  =(_)= |
|       |      jfrancis@frii.com       |                         |    U   |
|       | http://www.frii.com/~jfrancis |      --Jerry Pournoulle | PRR... |
+-------+------------------------------+-------------------------+--------+


## 774. Re: [APRSSIG:12896] Mic-E

From: Nick <nick@cycat.com>
Date: Fri, 23 May 1997 19:02:51 -0400
To: aprssig@tapr.org
Message-ID: <3386221B.600E@cycat.com>
Rendered body type: text/plain

kirish@erols.com wrote:
>
> So I have not been paying attention to the traffic on the sig lately.
> What is a Mic-E?

The Mic-E (Mic Encoder) is a device which wires in between your mic and
radio and transmits APRS data without a TNC.  Used with a GPS, it can
send your position at regular intervals or when you key the mic to talk.

In practical use, a repeater receiving your transmission would have a
TNC to decode the APRS data and retransmit your mobile (or portable)
position over another radio on the local APRS frequency.

There are many useful applications for such a device, of course, not
limited to the one described above.

Best explanation of Mic-E can be found through the TAPR website:
http://www.tapr.org   then click on the Mic-E Kit line.

Keith, KF4BXT
keith.kotch@cycat.com

## 775. New mac/winmap to dosmap conversion

From: "Carolyn Cavanagh" <cjcavanagh@msn.com>
Date: Fri, 23 May 97 23:29:16 UT
To: aprssig@tapr.org
Cc: aprs-lib@tapr.org
Message-ID: <UPMAIL02.199705232327290531@msn.com>
Rendered body type: text/plain

Attention map makers

 I have posted to tapr a new mapping program written in response to a request
from the wizard of Glen Burnie.  This program is a beta test version of code
to convert Mac/WinAPRS maps from the wizards of New Brunswick to dosAPRS maps.
 This code works specifically with the Digital Chart of the World, DCW, maps.

Details:
 Location: www.tapr.org/sig/aprs/upload
 Flies:    mapmap.zip and mapmap.txt
 Contents of zip file
        mapmapb1.exe
        mapmapb1.bas
        mapmapb1.doc

  Your trust is appreciated, but virus check this any any code that download
from the net.

   If this works OK, we can sit back and watch APRS go global!

73,
Jack Cavanagh, KB4XF
cjcavanagh@msn.com

(Standard explantion: I am the the OM of Carolyn, AC4SK)

## 776. Re: [APRSSIG:12882] WORLDWIDE APRS Satellite Tracking

From: jzaruba@juno.com (John A Zaruba Jr.)
Date: Fri, 23 May 1997 18:46:09 EST
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <19970523.185534.14590.0.jzaruba@juno.com>
Rendered body type: text/plain

On Fri, 23 May 1997 08:55:42 -0500 (CDT) Bob Bruninga
<bruninga@nadn.navy.mil> writes:
>My TRAKNET article was published in this months AMSAT Journal.  If you
>know anyone that is into the 1200 baud PACSATS, start twisting their
>arms
>to set up an automatic PACSAT APRS Downlink.  Those 4 satellites give
>us

Hi Bob,

If you look in South Jersey, you should see AA2BN/PACSAT Ground Station.
I'm running WiSP on KO-23 at this time, but am going back to AO-16
shortly. I have an
interface problem to deal with (the DSP-12 TNC will tune my Icom 820H
down in frequency, but won't tune up.) I have an EE friend of mine
assisting me in correcting this problem. I also have a Kansas City
Tracker and am using HyGain twist Yagis. I have horizon to horizon
coverage with AO-16.

Two questions though:

1. Can you add serial support for another TNC to APRS? I would like to
watch the
    mobiles on the map as well as rebroadcasting them to 145.79.

2. What alias will the ground station use? I suggest GROUND (e.g.
    APRS via PACSAT,GROUND,WIDE,WIDE)

As far as satellite selection goes:

1. LO-19 - unsure if it has digipeating turned on.

2. WO-18 - tone on downlink makes unattended automatic operation
difficult
    because the tnc locks on to the spurious tone rather than the data.

3. AO-16 - ***WEAPON OF CHOICE***. It's receivers are very sensitive, the
downlink     signal is very high quality. A typical pass  (at my QTH)
shows only 4-5 users, and by     the halfway  point of the pass there's
nobody left in the broadcast queue because     everybody's up  to date.
I think APRS would have minimal impact on the other users     of this
satellite.

4. FO-29 - unsure if digipeating is on, inconsistent operating schedule
does not lend     itself to automatic ground station participation.

73 de John AA2BN
jzaruba@juno.com

## 777. Re: [APRSSIG:12901] New mac/winmap to dosmap conversion

From: David Dunster <riders@sk.sympatico.ca>
Date: Fri, 23 May 1997 18:04:15 -0600
To: aprssig@tapr.org
Message-ID: <3386307F.18FD@sk.sympatico.ca>
Rendered body type: text/plain

Carolyn Cavanagh wrote:
>
> Attention map makers
>
> I have posted to tapr a new mapping program written in response to a request
> from the wizard of Glen Burnie.  This program is a beta test version of code
> to convert Mac/WinAPRS maps from the wizards of New Brunswick to dosAPRS maps.

        how about the other way?  I've been testing WinAPRS and since it
        doesn't handle DOS maps as well as APRSdos, I'd like to see all
        of the SKMAPS I have converted to WinAPRS format.

        Just a thought .......

David Dunster, VE5DGD

## 778. Re: [APRSSIG:12869] Oh my technological God!

From: Gary Arnold <garnold@naples.net>
Date: Sat, 24 May 1997 00:48:08 -0400
To: sparkfel@primenet.com
Cc: aprssig@tapr.org
Message-ID: <33867308.50ED@naples.net>
Rendered body type: text/plain

Mark Fellhauer wrote:
>
> I just got my new Crutchfield catalog today, and inside is a picture and
> description of Clarion's new VRX8271 car stereo, and it really has to be
> seen to be believed.
>
> The head-end of the unit is a standard DIN sized car stereo, but it is
> motorized and flips out to reveal a 5 inch active matrix display and
> control panel on the "bottom" of the unit.  Mentioned, but not priced, are
> two accessory items.  1) a rear mounted video camera  2) A CLARION
> NAVIGATION SYSTEM

If it is rerun, check out "Next Step" on the Discovery Channel this
week.  Shows a car CD player that is also a voice operated nav aid.  Put
the proper map CD into, it asks you to spell the first few letters of a
landmark (or speak an address) to start the trip, then does the same for
the destination.  Then it tells you how to get there, in voice.  No
price listed.  Nice & safe for drivers...no buttons, no screen....also
np price given.  As Maynard G. Krebs used to say, "What an age we live
in!"

73,
Gary
--
Gary Arnold, CEM
Collier County Emergency Management
E-mail: garnold@naples.net
Packet: wb2wpa@wb2wpa.#nap.fl.usa.noam

EM home page: "http://www.collierem.org/"   (NEW!)
My home page: "http://www.collierem.org/garnold.htm"

"Right now I'm having amnesia and deja vu at the same time.  I
 think I've forgotten this before."
        --Steven Wright, peripheral visionary

## 779. Re: [APRSSIG:12698] APRS Dayton Comments

From: "Eric A. Cottrell" <eac@shore.net>
Date: Fri, 23 May 1997 20:13:31 -0400
To: aprssig@tapr.org
Message-ID: <338632AB.13D3@shore.net>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> Just got back.  250 Emails to start reading.  Here are some initial

Got 300 plus email.

> * APRS Excitement was high!  APRS Pizza was an excellent idea exchange.

Yes a good time even if the pizza was only fair.  The salad was very
good.

> * ARRL introduced a computer maping system for voice repeaters.  At first
> I thought... WOW.  But unless I missed something, we can do far better in
> APRS.  It displays typical state highway maps and when you click on a
> location, it will give you a "list" of repeaters in that area...  I asked
> will it show me where they are, what their coverage is?  And the answer
> was no.  It had great maps, but hey, I can get a LIST of repeaters from my
> shirt pocket repeater guide!

I was disappointed with it as well.  I go to the UK and operate on
the repeaters over there.  The UK repeater list has grid squares listed
and
I was able to find a program to convert the grid squares to national
grid.
I made up some maps that located the repeaters as some of the locations

listed are towns outside of major cities.

I discovered a neat program for navigation in the U.K. called GPSS.  It
has
voice output and I am going to use it for the trip this year.  It can
search
for the nearest locations of gas stations, eating places, etc.  I was
able to
add 2m and 70cm repeaters and have it search for the closest one. I
recorded
some wav files and when it searches it will speak stuff like:
"The nearest seventy centimeter repeater is g b 3 g f  r b twelve" ten
miles
to the right at your 2 o' clock".

>
>    As I have been saying for years, we need to be building .POS files of
> voice repeaters.  APRS will not only put them on the map, but also show a
> first approximation of their coverage if the PHG is entered correctly.
> Once you put a Mic-E TNC at each repeater, then they will AUTOMATICALLY
> show up on APRS maps too.  If you use a PacComm TNC, then the TNC will
> respond to an APRS Query and so the lonely driver through strange
> territority simply sends an APRS query and all voice repeaters within
> range will respond and pop up on his map!
>

> raise anyone even on 52.  AND many of the repeaters I could hear had PL,
> and never announced the PL.  If they had been beaconing an APRS Posit on
> the APRS frequency, then I would have Known where they were, and What was
> their PL just by clicking on them...

If they do not send the PL info on the repeater, what makes you think
they
will do it on APRS?

73 Eric eac@shore

## 780. Trip Group Purchase?

From: BF4SMK3@CHESHUB1.BELL-ATL.COM
Date: Fri, 23 May 1997 21:58:57 -0400
To: "aprssig(a)tapr.org" <aprssig@tapr.org>
Cc: "laurel(a)webtrek.com" <laurel@webtrek.com>
Message-ID: <00316000067190720000002*@MHS>
Rendered body type: text/plain

Wondering if anyone has ever approached DeLorme about a group purchase
     of the Tripmate package?  Is this something TAPR would be willing to
     investigate/undertake?

     Mark/N3NTQ
     laurel@webtrek.com

## 781. Re: WinAPRS Crashes

From: kc4pod@juno.com (Jeff Buffington)
Date: Fri, 23 May 1997 23:00:14 EDT
To: patcook@dimensional.com
Cc: aprssig@tapr.org
Message-ID: <19970523.225954.4382.0.kc4pod@juno.com>
Rendered body type: text/plain

On Wed, 21 May 1997 02:19:47 -0500 (CDT) Patrick Cook
<patcook@dimensional.com> writes:
>What speed or frequency is your Pentium???  66 Mhz. or 133 Mhz.???
>Reason I ask is that I'll be getting a 66 Mhz. Pentium PC and will
>need to
>know so that I don't go wondering "What's wrong??".
>
>> At the moment I re-boot every day as the log file function still
>isn't
>> working and I need the log file to upload to my javapage so I'm
>immune
>> to the crashing (usually) although just as I type this it crashed!
>
>Do you reboot the whole system by hitting CTRL-ALT-DELETE or shutting
>down
>the entire system or what???
>
>Curiously yours,
>

>Patrick, KB0OXD
>Denver, Colorado

I've never had to reboot entirely, just reload the program.  Windows 95
doesn't follow the conventional CTRL-ALT-DEL rebooting that DOS does.  If
you do that, even when it's working, it will bring up a "Close Program"
menu, from which you can choose to either end tasks (programs running),
or shut down the system (same as if you went to Start and told it to Shut
Down).  However, you have a third choice, which is to press CTRL-ALT-DEL
again, which *WILL* cause the system to do a warm boot...but I don't
recommend it unless the system is abolutely not responding.  (Often
individual programs will stop responding...that's why the End Task option
comes in quite handy)


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

---

## 782. Re: Win 2.0 Crashes

From: kc4pod@juno.com (Jeff Buffington)
Date: Fri, 23 May 1997 23:00:14 EDT
To: schiers@ames.net
Cc: aprssig@tapr.org
Message-ID: <19970523.225954.4382.1.kc4pod@juno.com>
Rendered body type: text/plain

On Wed, 21 May 1997 11:45:18 -0500 (CDT) hasan schiers <schiers@ames.net>
writes:
>At 06:38 AM 5/21/97 -0500, you wrote:
>>Hi all,
>>
>>Bob replied with:
>>>Interesting point!  I run a 24hr/7 day GATE station and perhaps it
>has
>>>something to do with hf.  The longest I ever got it to run was 5
>days to
>>>Doug Wetzel's:
>>>>Is this just an hf issue?  I have been running WinAPRS2.0
>continuously
>>>>on both my machines since it was uploaded without a
>problem...although
>>>>I'm only on vhf...
>>
>>     I'm also only on VHF (although I hear Bob's GATE via one hop)
>and
>>have only experienced those crashes "normally" associated with
>opening
>>or closing a window ... a syndrome many of us are already conscious
>of.
>>--
>>                    __                Mr. Arte Booten
>mailto:N2ZRC@webspan.net
>
>I am running dual port gateway with dsp2232. I get multiple crashes
>per
>day on a Pentium 133 with 64 mb of ram and win95/service pak 1.
>
>The Bros. know about the instability and are hunting for it. 73
>
>-------------------
>hasan schiers, N0AN
>
>schiers@ames.net

It's been a while since I've had multiple crashes in a day... perhaps it
is an HF thing.  As I mentioned before, it could be the log files...I
have been able to run several days (power company willing..<g>) without
it crashing...but after that length of time, I've notice some things that
will cause a crash, haven't had time to narrow the search down tho.

Running on a Pentium 100, w/ KPC-9612+, and the latest service packs for
Win 95.


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn

Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 783. APRS Gate "rules"

From: Nick <nick@cycat.com>
Date: Fri, 23 May 1997 23:19:08 -0400
To: aprssig@tapr.org
Message-ID: <33865E2C.28AF@cycat.com>
Rendered body type: text/plain

Got a question....
Can an APRSer on VHF make a "DX" contact to a station coming through a gate into a wide in your area? For instance, we'll receive "foreign" stations coming into Fla from Canada or out west, etc.

I know, from what I can find in the FCC Rules & Regs that it is okay for crossband operation, eg 2m to 10m links as long as you're licensed to use the freq you're making the link with...in other words a Tech or Tech + could be talking to someone over a 10m link as long as he (T or T+) was using his 2m rig, or a Novice could if the link started with a 220 freq.

I basically understand the problems with APRS digipeating but is it illegal for the VHF station to make a contact? If not, then what's the proper procedure for making a "DX" contact via APRS? What precautions need to be taken, especially in the paths used?

I hope my question is understood. Thanks in advance for your guidance.
Keith, KF4BXT
keith.kotch@cycat.com

## 784. Re: [APRSSIG:12906] Trip Group Purchase?

From: rwf <rwf@mindspring.com>
Date: Fri, 23 May 1997 23:29:02 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970523232631.00a377e8@mindspring.com>
Rendered body type: text/plain

Just keep your eyes sharp- a local picked one up at Micro Center yesterday for $96.00 (it was a return)

At 09:05 PM 5/23/97 -0500, you wrote:
>
> Wondering if anyone has ever approached DeLorme about a group purchase
> of the Tripmate package?

## 785. Re: Oh my technological God!

From: kc4pod@juno.com (Jeff Buffington)
Date: Sat, 24 May 1997 01:35:40 EDT
To: a229aa@email.mot.com
Cc: aprssig@tapr.org
Message-ID: <19970524.013445.4382.3.kc4pod@juno.com>
Rendered body type: text/plain

On Fri, 23 May 1997 12:13:28 -0500 (CDT) "Chris Terwilliger" <a229aa@email.mot.com> writes:
>This type of technology is only the tip of the iceberg...wait till you
>see
>what MS is gonna do to cars with WindowsCE...and if you don't think
>WinCE
>is a viable platform for mapping applications, go here:
>
>http://www.agrilogic.com/
>
>
>Chris, AA7WD
>

I just went to MicroSoft Techmaster's 97 (a retailer's thing) last Sunday, and asside from the guy showing off Office 97 SBE, he delved into the WinCE thing. Yep...several auto manufacturers are already planning this for the next model vehicles. Saturn is apparently using Casioppea's to do final inspections; wrote their own software for WinCE. Guess we need to ask Keith & Mark if their ready to use MS VC++ Developer w/ WinCE support... :)
Oh...he also said color CE machines will be commonplace in a couple of

months.  It was kinda neat seeing him run WinCE software under 95 (in a
Window no less).

Just think...some of these palmtops have more memory than some PCs
running APRSdos.


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 786. Re: [APRSSIG:12890] NEW APRSdos WX beta

From: kc4pod@juno.com (Jeff Buffington)
Date: Sat, 24 May 1997 01:35:40 EDT
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <19970524.013445.4382.4.kc4pod@juno.com>
Rendered body type: text/plain

On Fri, 23 May 1997 12:42:06 -0500 (CDT) Bob Bruninga
<bruninga@nadn.navy.mil> writes:
>I just posted a version called APRSD1.zip which contains APRSD1.exe
>and of
>course the usual NEWNOTES.TXT.  This version will still carry the 792
>version number but is a fix to the receipt of REMOTE WX.  Thanks to
>BordingK for DOCUMENTING his remote WX so I could see how I was
>missing
>the GUST wind and also the RAIN count.
>
>Please if you have a remote ULTIMETER WX station on the air, run this
>version and see if it gives you the RAIN you wanted...
>
>Reply mail addr:   wb4apr@amsat.org
>US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
>See DAYTON97 HISTORY:
>http://web.usna.navy.mil/~bruninga/dayton.html
>See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
>See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html
>

If anybody's interested, I now have a listing of every "correct" setting
for a KPC-3 when used as a stand-alone (no PC) remote wx site, interfaced
w/ a U2000.
After running various tests and parameter changes, I finally got one 100%
working.  This station is now putting out correct data (KC4POD-10).  All
other sites will be checked against this.

One question for the group at large...should the wx stations stay off of
gates entirely, or posit "GATE,WIDE" once an hour...three hours...??
Currently my settings keep them off (in an attempt to prevent flooding on
HF).  However, the potential use would permit W4EHW and other NWS
stations to monitor.  Comments??


73s de Jeff/KC4POD
AEC Digital Communications/Skywarn
Osceola County RACES
Kissimmee, FL
kc4pod@juno.com

## 787. MAC Aprs

From: "Daniel Z. Balmaceda" <balmaced@hsc.usc.edu>
Date: Fri, 23 May 1997 23:45:25 +0000
To: aprssig@tapr.org
Message-ID: <33862C15.24AB@hsc.usc.edu>
Rendered body type: text/plain

Need help trying to configure tnc. Currently using macos 7.6.1 MAC APRS
2.8. I am using the printer port. Nothing showing on the computer. Help!
Help! to run aprs

## 788. Tripmate Cables

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 24 May 1997 05:54:51 -0500
To: aprssig@tapr.org
Message-ID: <3386C8FB.7FF7@mindspring.com>

Rendered body type: text/plain

For those interested in any special cables for the Tripmate i found this
website that would be handy for those wanting a cigarette lighter power
cable for the Tripmate for $18 or a Astral to generic NMEA cable for $16
sounds better then paying the $39 for Delorme's package. Gosh for these
prices it's hardly worth the gas to go to the local parts supply house.

http://www.digitalcartography.com/cables.shtml#custom
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 789. APRSdos Screen

From: John Blowsky <kb2scs@worldnet.att.net>
Date: Sat, 24 May 1997 06:58:49 -0400
To: aprssig <aprssig@tapr.org>
Message-ID: <3386C9E9.7C34@worldnet.att.net>
Rendered body type: text/plain

Hi Sig
       I have a question.
Here is what I see on my screen with version 791 when I hit the tab key.

VAL : TNC : 4800 -4 : LogW : filtrs : 30/540 : BEEP : MYA WIDE : 0:0:
0   :LI1
XMT : LOG : UP : DR : cw : PFL : BCNS : VHF : FADE:VIA WIDE,WIDE

Btw I am a wide so please do not inform me that mya is set wrong.

Now most of this code I understand I will now list the ones I do not.
PLease let me know what the following means.
0
0
0
PFL
BCNS

Bob I know you are busy but your help.txt file does not match what my
screen shows.
The Help.txt file has not been updated since  7.8.7

Also Bob in the screen.txt file you mention the following:

Symbol Colors: White     - Active APRS stations
               Gray      - TNC on-line, but APRS is not running
               Dark Gray - Has not been heard in 2 hours
               Green     - APRS WIDE area digi
               Blue      - WX stations
               Lght Blue - Dead Reckoned station
               RED       - WX alarm values exceeded
               Purple    - OBJECT reported by someone else
               Yellow    - OBJECTS you are uplinking

Which is slightly diffrent then in Help.txt. In Help.txt you do not
mention Light Blue.

The above was to show that I do try to find my answers in the
documentation first.
--

  Let us hope we never witness the "Silence of the Hams"
  73 de John, KB2SCS
     AmperNet:    kb2scs@kb2scs.ampr.org [44.68.8.173]
     Mail to :    kb2scs@groucho.kc2ky.ampr.org [44.68.8.4]
     Ax25 packet: kb2scs@kc2fd.#nl1.ny.usa.noam
     E-Mail:      kb2scs@worldnet.att.net

## 790. Re: [APRSSIG:12912] Re: NEW APRSdos TX beta

From: rwf <rwf@mindspring.com>
Date: Sat, 24 May 1997 09:09:41 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970524090102.00a89cac@mindspring.com>
Rendered body type: text/plain

So... please post it. Many of us will file it and compare with what we are
already using.

POD wrote:
 >If anybody's interested, I now have a listing of every "correct" setting
>for a KPC-3 when used as a stand-alone (no PC) remote wx site, interfaced
>w/ a U2000.
>
>One question for the group at large...should the wx stations stay off of
>gates entirely, or posit "GATE,WIDE" once an hour...three hours...??
>Currently my settings keep them off (in an attempt to prevent flooding on
>HF).  However, the potential use would permit W4EHW and other NWS
>stations to monitor.  Comments??

I thought it was a good idea once, for all WX stations to GATE,  but Bob
and others pretty much said that no one else cares about the weather in
Blue Ridge , GA except those nearby (and the WX ofcs nearby).

I do notice that the stations directly on HF do it, but they originate
there, not on VHF.  I don't really see the difference but some folks are
pretty adamant about it.   I guess because the HF stations are beaconing
already, the extra length of the WX statement is insignificant.

I still plan to change the path and GATE it if the wx becomes severe or the
NWS or EHWS requests it (they have before), or if I am on the road and want
to monitor the home situation.  Especially since the 3" of rain I had in my
house after hurricane Oprah (Opal) caused 6,000 $ worth of hardwood floor
damage to my remote home.  Who would have thought that a Gulf Hurricane
would dump almost a foot of rain into Central N GA.


Ralph Fowler, N4NEQ      S.E.R.A. ATV Technical Advisor
Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 791. Re: [APRSSIG:12870] Re: Oh my technological God!

From: Clark Zerp <zerp@sr.net>
Date: Sat, 24 May 1997 10:41:14 -0300
To: aprssig@tapr.org
Message-ID: <3386EFFA.233F@sr.net>
Rendered body type: text/plain

Patrick Cook wrote:
>
> On Thu, 22 May 1997, Mark Fellhauer wrote:
>
> > 2)  Whose gonna loan me $1800 so I can buy one?  My birthday is in June...
>
> Lemme answer the above question this way:  Are there any banks in Arizona
> you could perhaps ROB by some chance????  :-)  hee hee hee hee
>
> > 73,
>
> Patrick, KB0OXD
> Denver, Colorado

========================================
Don,t use your APRS car for robbing the bank, they will know where you
are or where you hide the loot.

73

## 792. Source for USGSMAP1.BAS or similar prg

From: D-Murray <ae4br@ix.netcom.com>
Date: Sat, 24 May 1997 10:27:24 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970524102724.0068ee6c@Popd.ix.netcom.com>
Rendered body type: text/plain

Hello and thanks for reading this..

I amin the process of making detailed maps of the Savannah GA and
surronding area.  I have the 100K USGS CD and have used it successfully.
What I am in need of is the program listed in aprs docs as being usefull in
converting the downloaded 200kUSGS files for use with aprs.. I have the
MakeMap1.bas but it is for use with the 200k CD.. I need the USGSMAP1.bas
program by W4NMK..  If anyone has this program and could file attach it to
me, I sure would appreciate it..

Thanks
Don

My correct address is ae4br@ix.netcom.com or james-m@juno.com
The # is my effort to defeat the mail bombers.

## 793. Re: [APRSSIG:12852] Tacker Color

From: Robert Winingham <kc5ejk@onramp.net>
Date: Sat, 24 May 1997 09:29:51 -0500
To: wa8inz@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <v03102802afaaa9956a40@[206.50.200.66]>
Rendered body type: text/plain

>Sorry I ever brought the subject of standalone gps trackers...ICONS...

Bill, With a small hardware change and ResEdit you would not have
that problem.

See Brian Livingston Infoworld article titled:
Windows 95 Crashes A LOT

http://www.infoworld.com/cgi-bin/displayNew.pl?/livingst/bl050597.htm

73

Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 794. Re: [APRSSIG:12919] Re: Tracker Color

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 24 May 1997 10:41:39 -0500
To: aprssig@tapr.org
Message-ID: <33870C33.3709@mindspring.com>
Rendered body type: text/plain

Robert Winingham wrote:
>
> >Sorry I ever brought the subject of standalone gps trackers...ICONS...
>
> Bill, With a small hardware change and ResEdit you would not have
> that problem.
>
> See Brian Livingston Infoworld article titled:
> Windows 95 Crashes A LOT
>
> http://www.infoworld.com/cgi-bin/displayNew.pl?/livingst/bl050597.htm
>
> 73
>
> Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

Sorry but i fail to see what this message has to do with the
APRS/GPS/Tracker colors Hi Hi. I don't have any Win95 problems, but
thanks anyway.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 795. Using Winaprs with GPS???

From: David Shultz <dshultz@epix.net>
Date: Sat, 24 May 1997 16:54:27 -0400
To: aprssig@tapr.org
Message-ID: <33875583.1ED1@epix.net>
Rendered body type: text/plain

I have trying to use a GPS II+ with TNC and WINAPRS 2.0.0 mobile. The
problem I'm having is that I get two postions transmitted. One for N3NXC
and one for N3NXC-9 which is what the TNC is set up for. Also it doesn't
update my postion as I move. Two Icons appear on the map, one is a small
"x" marked as N3NXC and a car icon marked as N3NXC-9. I don't know why
the N3NXC with the x shows up. The want the car icon. It seems as though
the station setup (under the settings menu) is getting broadcast with
the current coordinates put out by the GPS.

I watched the packet get digi'ed and once it will broadcast N3NXC and

the next time as N3NXC-9. WHAT AM I DOING WRONG?

Dave Shultz -n3nxc

## 796. National APRS Calendar 007

From: henryvb <henryvb@dpliv.com>
Date: Sat, 24 May 1997 16:14:04 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <33875A1C.4A83@dpliv.com>
Rendered body type: text/plain

National APRS Calendar 007

It was suggested by Bob Bruninga, APRSdos Author, that this calendar be
maintained in a common location and be posted weekly to the APRSSig.
NIAN has volunteered to maintain this list. If you have items to add to
the list, send the info as listed in the heading by
e mailto:henryvb@dpliv.com or complete the form at
http://www.geocities.com/CapeCanaveral/Lab/2809/aprscalform.html
New/changed items on this list denoted by "*****".

DATE         LOCATION; EVENT; WHAT'S HAPPENING?; FREQS (if any); CONTACT
*Ongoing thru Tue 07/01/97; Toronto, ON to Newfoundland; Cabot 500
*             Flotilla; Flotilla of 90 boats sailing to Newfoundland to
*             celebrate the 500th anniversary of John Cabot's discovery
*             of the North American mainland; Freqs: 30M and 7.085;
*             Contact Tony Wright mailto:twright@ica.net
*                     Maps of the route http://www.peel.com

 Sun 05/25/97 Madison, WI; 1997 Madison Marathon; Typical marathon, they
              need assistance with voice and APRS operators who have
              trackers for sag wagons, buses, lead vehicles, etc.;
              Contact Tom Weeden mailto:tcweeden@execpc.com

*Mon 06/02/97 -
*Fri 06/06/97 Tampa, FL; Florida Governor's Hurricane Conference; Over
*             2,000 attendees expected, Keith Sproul will demo the new
*             WinAPRS 2.0.0 in special workshops on Tue 06/03;
              Contact Dale Huguley mailto:kg5qd@naples.net

 Sat 06/07/97 MO; MS-150 Century Ride; Volunteers needed. 20+ stand-
              alone trackers, any/all MIC-E units available, plus people
              with laptops and ability to go full APRS mobile. Ride from
              Olathe and southwestward and return (one day);
              Contact Jim KU0G mailto:ku0g@kcaprs.org;

 Sat 06/07/97 1200Z (Rain Date 06/14/97); 8 mi. S of Manhattan, 10 mi.
              E of Junction City in Riley Cnty, KS 3905.13N 09639.34W;
              Kansas Near Space Project Flight 97A; Balloon launch
              w/capsule containing Sky Polarimeter, Solar Radiometer,
              High Altitude Rocket Ignitor Test, Glider Drop, Dosemeter,
              Geiger Counter, UV Yeast Experiment, Bacteria Culture
              Experiment, & Roach-o-naut; Freqs: APRS & telemetry 145.79
              ATV: 439.25  Voice 3.964, 147.255 Rptr, 146.670 Rptr;
              Contact KNSP http://www.ksu.edu/humec/knsp

 Sat 06/07/97 1300-1400 CDT; Arlington, TX; HamCom 1997; APRS
              Presentation by Mike Heskett, WB5QLD;
              Contact TPRS http://www.tprs.org

 Sat 06/14/97 1200-1300Z; Brownsburg, IN 3949.95N 08623.97W; Windtrax-12
              Balloon Launch; 2nd balloon launch of the season; Freqs:
              APRS 446.000 MHz, also 145.790 & 30M ATV 439.25 MHz. 1.5 W
              2 cameras  Voice 444.85 & 52.525 MHz. dn, 144.30 MHz up;
              Contact Windtrax http://www.windtrax.org

 Sat 06/21/97 1500Z; Atlanta, GA (City Hall East) on Ponce de Leon at
              the Old Sears building; Atlanta HamFestival; N4NEQ (Ralph
              Fowler) will conduct an APRS forum. Working with Ralph
              will be John Lauber (W6PNC) as well as other local APRS
              users.; Freqs: APRS 145.790 Voice APRS users use 146.655
              Repeater.  Hamfest talkin is on 146.82;
              Contact ATL APRS aprs@mindspring.com;
              ATL APRS Website http://www.mindspring.com/~rwf/aprs1.html

*Sat 06/21/97 Vancouver Island, WA; Vancouver Island Boat Race; APRS
*             will be along for the ride, in boats, vehicles, and
*             surveillance aircraft. Should have JavAPRS site;
*             Contact Roger WN7M mailto:rogerwn7m@juno.com

*Sat 06/21/97 -
*Sun 06/22/97 Albany NY Lyons ? Pittsburgh PA Philadelphia PA Westover
*             AFB in Western Mass; National Disaster Medical System
*             (NDMS) MEDSTAR Exercise 97; Typical scenarios are
*             earthquakes, collapsed stadiums, and Nukes.;
*             Contact Mike Reik WB9YJF 804-675-5515

*Mon 06/23/97 -
*Wed 06/25/97 Los Angeles, CA to Yosemite Park, CA; Youth Safety Run;
*             Annual event involving Police Explorer teams driving a
*             predetermined course and are scored on time and mileage.
*             There will be one APRS tracker in a support vehicle. The
*             ID will be PACCC and the beacon text will include the
*             call KC6ZGG.;
*             Contact Keith KC6ZGG mailto:krmorris@earthlink.net

*Sat 06/28/97 1800Z -
*Sun 06/29/97 1800Z Everyone Everywhere; Field Day; Have an APRS station
*             @ your Field Day site! Packet counts for points, it's
*             great publicity, and is certainly emergency related.;
*             Contact Your local club

 Sun 08/03/97 MO; MS-150 Louisburg Pancake Ride; Volunteers needed. 20+
              stand-alone trackers, any/all MIC-E units available, plus
              people with laptops and ability to go full APRS mobile.
              Overland Park (KS) south to Louisburg (KS) and return;
              Contact Jim KU0G mailto:ku0g@kcaprs.org

*Sat 09/06/97 -
*Sun 09/07/97 MO; MS-150 Get-Away Bike Ride; Volunteers needed. 20+
*             stand-alone trackers, any/all MIC-E units available, plus
*             people with laptops and ability to go full APRS mobile.
*             Grandview MO eastward via Pleasant Hill, Kingsville,
*             Chilhowee, Knob Noster,Sedalia and south to Versailles.;
*             Contact Jim KU0G mailto:ku0g@kcaprs.org

 Sat 09/20/97 Dayton, OH; Dayton AF Marathon; Possibly JavAPRS for this
              event.;
              Contact Bob Mahoney WB8CXN mailto:rgmahon@worldnet.att.net

*Fri 10/10/97 -
*Sun 10/12/97 Baltimore, MD; ARRL/TAPR Digital Communications Conference
*             All-day seminar on APRS among other things. This is the
*             conference where WinAPRS was concieved in 1995.;
*             Contact TAPR http://www.tapr.org/dcc

 Fri 10/17/97 -
 Sun 10/19/97 Toronto, Can; AMSAT Conference;
              Contact AMSAT http://www.amsat.org

 Sat 10/18/97 Hartford, CT; Hartford Marathon; APRS will again be used
              to track key elements in the Hartford Marathon. Plan
              includes 6 GPS Standalone Trackers with multiple APRS
              screens at Race Headquarters, PA Announcer and other
              locations; 145.790 MHz.;
              Contact N1QKP, Knut mailto:n1qkp@bigfoot.com
                      Website http://idt.net/~knutf/htfd.htm

---------------------------------------------------
This page can be accessed thru the NIAN Homepage at:
http://www.geocities.com/CapeCanaveral/Lab/2809

Henry
N9WMM
Official Button Maker, Note Taker, and Web Weaver
Northern Illinois APRS Network
henryvb@dpliv.com

## 797. GPS and 1 PPS

From: Bryan Mumford <mumford@west.net>
Date: Sat, 24 May 1997 14:24:10 -0800
To: aprssig <aprssig@tapr.org>
Message-ID: <v03007802afad1a748877@[205.254.225.7]>
Rendered body type: text/plain

I know nothing about APRS but I'd like to get one of the GPS receivers for
the precision one pulse per second reference. Would anyone have the time to
email me privately so I may ask a couple of questions about the Garmin and

Motorola devices?

Bryan Mumford
Santa Barbara, CA
http://www.west.net/~mumford/

## 798. 2.0 bug alert

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sat, 24 May 1997 17:38:20 -0400
To: aprssig@tapr.org
Message-ID: <19970524.173820.3582.0.KD4EMI@juno.com>
Rendered body type: text/plain

FYI
The danger and warning alarms also do not work in 2.0
(or at least not for me )

Mike
KD4EMI@JUNO.COM

## 799. Calling all JavAPRS sites.

From: "Alan K. Adamson" <ne1h@tornado.ne1h.radio.org>
Date: Sat, 24 May 1997 19:27:58 -0400
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <01BC6878.96F60100@typhoon.ne1h.radio.org>
Rendered body type: text/plain

As some of you know, I run a javAPRS site in Atlanta, I've been up a down lately, had a ps fail in the computer serving my web page.

Currently, I have LA, SF and ATL online and in realtime.  If you have a realtime site, with aprsmon for linux or some other form of realtime server, not file based reatime, but actual data coming from a TNC and available on a inet port, please let me know how to connect to you.  I can connect to as many remote sites as I like, I wrote a little shim for linux to do this.

All I really need is the server name, and port number of your TNC data.  For example you can telnet to port 14579 on www.ne1h.radio.org and get the live feed if you like on your end.

Please send email to the mail address listed below and I'll include you on my server.

Thanks,
Alan K. Adamson
Atlanta, GA
mailto:ne1h@ne1h.radio.org
web address http://www.ne1h.radio.org
(*LIVE*) APRS: http://www.ne1h.radio.org/aprs
Mustang Info http://www.ne1h.radio.org/mustang

## 800. WinAPRS 2.0.0 hi-res maps ???

From: Bruno Haineault <bhaineau@cts.com>
Date: Sat, 24 May 1997 19:04:06 -0800
To: aprssig@tapr.org
Message-ID: <33879E16.3D74@cts.com>
Rendered body type: text/plain

Thanks for reading this !

I recently registered WinAPRS 2.0.0 and I am running it with
my KPC-3/Alinco DR-1200TH2... all is well.  However, I am using
the "dos" maps as they are the only ones I can find on the
Internet (WWW-TAPR, TAPR 97-1 CD, etc.). I have also bought the ARRL's
APRS book... but I am still at a loss on the following:

1. WinAPRS is supposed to read MAC maps... how can I "read" a
MAC map ?  The formats I see are MAC-proprietary (SIT, etc.).
Is there a "conversion" program ?

2. Is there a source of "hi-res" WinAPRS maps ?  Does the CD
offered by the authors of WinAPRS contain MAC-type hi-res
maps "readable" on my Win'95 machine ?

I have tried to find this information... but for some reason,
none was found ???

RSVP
73 from Bruno, VE2EQ/W6  (ve2eq@amsat.org)
San Marcos, California

ITU:DM13kd

PS. My main goal is to find hi-res maps of southern California... San
Diego county, San Diego, etc.)

## 801. WinAPRS 2.0.0 crashes ???

From: "B.HAINEAULT" <bhaineau@cts.com>
Date: Sat, 24 May 1997 19:26:12 -0700
To: <aprssig@tapr.org>
Message-ID: <199705250226.TAA22731@mh1.cts.com>
Rendered body type: text/plain

I have been reading the mail and I would like to mention that I have NOT
had any problems with the following configuration:

APRS-related description:
WinAPRS 2.0.0 (registered), Kantronics KPC-3 tnc, Alinco DT-1200TH2 radio.

O/S and TSR description:
Windows'95 with MS service pack 1
QEMM 8.01, McAfee VShield 3.0 (current), MGA PowerDesk 3.41, HP5L printer
drivers.

Computer equipment description:
Pentium-133 (TYAN Titan-III) w/48Mb EDO-RAM, (MGA) MATROX Millenium video
card w/2Mb WRAM, TEAC CD-56 6x CD-ROM, WD 1.2Gb & 1.6Gb HDD, iomega Ditto
800
TBU, Viewsonic 17GS monitor, Sound Blaster 16 audio, Cardinal V.34+
internal
MODEM.

73 from Bruno, VE2EQ/W6
San Marcos, California
ITU:DM13kd

## 802. Re: [APRSSIG:12911] Re: Oh my technological God!

From: Patrick Cook <patcook@dimensional.com>
Date: Sat, 24 May 1997 20:55:58 -0600 (MDT)
To: Jeff Buffington <kc4pod@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970524205234.5355C-100000@flatland.dimensional.com>
Rendered body type: text/plain

On Sat, 24 May 1997, Jeff Buffington wrote:

> I just went to MicroSoft Techmaster's 97 (a retailer's thing) last
> Sunday, and asside from the guy showing off Office 97 SBE, he delved into
> the WinCE thing.  Yep...several auto manufacturers are already planning
> this for the next model vehicles.  Saturn is apparently using Casioppea's
> to do final inspections; wrote their own software for WinCE.  Guess we
> need to ask Keith & Mark if their ready to use MS VC++ Developer w/ WinCE
> support... :)

Cars running Windows???  Gee, I guess it won't be long now before they
have built-in GPS transmitters installed.

> Just think...some of these palmtops have more memory than some PCs
> running APRSdos.

Palmtops???  Try those cars running Windows software!!!!

73's for now my friends!!  :-)

Patrick, KB0OXD
Denver, Colorado

## 803. Re: [APRSSIG:12926] WinAPRS 2.0.0 hi-res maps ???

From: "David W. McNeil" <ki5vm@flash.net>
Date: Sat, 24 May 1997 22:26:24 -0500
To: aprssig@tapr.org
Message-ID: <3387B160.65D0@flash.net>
Rendered body type: text/plain

Bruno Haineault wrote:
>
> snip!
>

>  However, I am using

> the "dos" maps as they are the only ones I can find on the
> Internet (WWW-TAPR, TAPR 97-1 CD, etc.). I have also bought the ARRL's
> APRS book... but I am still at a loss on the following:
>
> 1. WinAPRS is supposed to read MAC maps... how can I "read" a
> MAC map ?  The formats I see are MAC-proprietary (SIT, etc.).
> Is there a "conversion" program ?

Bruno:

The program I use to decompress the Mac .hqx format files for use with
WinAprs is called "Stuffit Expander"
Go to:
http://www.flash.net/~ki5vm/ftp/
and download the file "sitex10.exe". This is a self extracting install
file for "Stuffit".
You can obtain the Mac mapfiles from the TAPR FTP site in the .hqx
format.....
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/maps/MacMaps/
...and then decompress them with Stuffit and copy the files to your
WinAprs maps directory.

Dave  KI5VM
mailto:ki5vm@flash.net
http://www.flash.net/~ki5vm/ki5vm.htm

## 804. Check out our Swiftsure Yacht Race site

From: CST Project 5 <cstprj05@Camosun.BC.CA>
Date: Sat, 24 May 1997 23:49:12 -0700 (PDT)
To: aprssig@tapr.org
Message-ID: <Pine.OSF.3.96.970524233637.29627A-100000@ccins.camosun.bc.ca>
Rendered body type: text/plain

To all,

We are using javAPRS to display the race results of a sailboat, Stars &
Stripes, in the Swiftsure International Yacht Race, just off of Vancouver
Island.  Unfortunately, we lost contact with the radio signal around 4PM
this afternoon, probably out of range, but expect to pick it up again
around 2 or 3 am PST.  Our URL is: http://204.175.57.152/rps.htm

This site revolves around a project we are implementing in our Computer
Technology program at Camosun College.

Thanks

RPS project team (Al Storm, Len Platt, Karl Kujawa, Maria Hession)

## 805. Help with Waypoint+

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Sun, 25 May 1997 01:13:04 -0700
To: APRS <aprssig@tapr.org>
Message-ID: <3387F490.CA9E8320@bigfoot.com>
Rendered body type: text/plain

I have Waypoint+ V1.5.16 and can't seem to download anything from
my GPS 12  XL. It will operate the light and shut it off, it will even
change the download option on the interface screen, but then it just
sits there saying sending 0 of 9 waypoints ( or whatever I am trying to
receive. I have the 12 XL set to Garmin/Garmin and Host and I have
triple checked the wiring. Can anyone tell me what I am doing wrong????

Thanks
--
******************
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
******************

## 806. SCAT tracker info...

From: n0lrf@computer-services.com (Paul Stump)
Date: Sun, 25 May 1997 12:16:43 GMT
To: aprssig@tapr.org
Message-ID: <33882b8e.1844964@mail.computer-services.com>
Rendered body type: text/plain

Greetings,

I have posted on my home page, pix and a brief description
of a SCAT, Self Contained APRS Tracker (not to be confused
with wild animal scat). I'll try to get better pix on there
soon.

It's a belt-clip mounted affair with a GARMIN GPS II+,
Kenwood TH-27A and MIM board. The KCAWG will be field
testing it in the coming weeks.

Cheers & 73,
Paul, n0lrf@amsat.org
http://www.computer-services.com/stump

## 807. Re: [APRSSIG:12882] WORLDWIDE APRS Satellite Tracking

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 25 May 1997 12:06:07 -0400 (EDT)
To: "John A Zaruba Jr." <jzaruba@juno.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970525115201.12442E-100000@arctic>
Rendered body type: text/plain

On Fri, 23 May 1997, John A Zaruba Jr. wrote about APRS via PACSATS!

> If you look in South Jersey, you should see AA2BN/PACSAT Ground Station.
>   1. Can you add serial support for another TNC to APRS? I would like to
>   watch the mobiles on the map as well as rebroadcasting them to 145.79.
>   2. What alias will the ground station use?
>   3. AO-16 - ***WEAPON OF CHOICE***. It's receivers are very sensitive
>   and shows only 4-5 users, ... etc
> jzaruba@juno.com

APRSdos REPLY/COMMENT:  OK, this is a chicken or egg problem, but now that
we have some interest, I hope this takes off.  Here are my thoughts:

1)  I would recommend packets be transmitted using UNPROTO APRS VIA
PACSAT,GATE,WIDE.  (What is the pacsat digi call of AO-16?)

2)  Combining TNC's.  You can always just DIODE-OR together the outputs of
two TNCs to INPUT into APRS so that APRS can monitor multiple channels
*OR* you can take the output of APRS to two ore more TNC's to TRANSMIT
APRS on multiple channels... BUT you CANNOT DO BOTH, or you will have
handshaking problems preventing operation of either...

3)  Now the packets monitored via the PACSAT and your downlink modem will
be plotted by APRS perfectly, but there is no easy way to digipeat them
out onto any other APRS channel.  OR!!!!  Can you make your PACSAT TNC
listen with BPSK to the downlink while stil being normal ole' AFSK AX.25
on the SEND SIDE???  If so, then you simply set your MYAlias to GATE and
it is done!

If not, probably will be better for me to write a second port to an APRS
version so that it monitors the packets on the downlink (your PACSAT
station still works its thing oblivious to APRS).  But this second serial
port on another old 286 PC will then pick off the APRS packets and then
re-originate them...  THis is BETTER since then we can make the packets
only VIA PACSAT and then add the longer WIDE,WIDE,etc on the ground.  Ill
start woring on this....

OK, we got the EGG rolling, now we need some more chickens!  Thanks.

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 808. *Updated Web Page*

From: "Brian K. Short" <ke7gh@primenet.com> (by way of "Brian K. Short" <KE7GH@PRIMENET.COM>)
Date: Sun, 25 May 1997 16:30:14 +0100
To: aprssig@tapr.org, BitBucket@QSL.Net, ham-books@QSL.Net,
        Ham-Software@QSL.Net, HomeBrew@QSL.Net, Mobile-Portable@QSL.Net
Message-ID: <3.0.1.32.19970525163014.0070541c@mailhost.primenet.com>
Rendered body type: text/plain

*Updated Web Page* http://www.qsl.net/k7on

## 809. Re: [APRSSIG:12931] Help with Waypoint+

From: Barry Rimmer <brimmer@sprynet.com>
Date: Sun, 25 May 1997 13:23:30 -0400
To: kb7qqq@bigfoot.com
Cc: aprssig@tapr.org
Message-ID: <33887592.C33471C5@sprynet.com>
Rendered body type: text/plain

Sam Roe wrote:
>
> I have Waypoint+ V1.5.16 and can't seem to download anything from
> my GPS 12  XL. It will operate the light and shut it off, it will even
> change the download option on the interface screen, but then it just
> sits there saying sending 0 of 9 waypoints ( or whatever I am trying
> to
> receive. I have the 12 XL set to Garmin/Garmin and Host and I have
> triple checked the wiring. Can anyone tell me what I am doing
> wrong????
>
> Thanks
> --
> ******************
> Sam Roe
> Puyallup, Wa
> KB7QQQ@bigfoot.com
> ******************
Everything you have described sounds correct.  You do not have the
latest (.17) version of the software, but that should not be the
problem. Despite your having checked everything, I have to believe that
the connection from data out (brown wire if you are using Garmin cable)
to the serial port is open.  The Garmin needs an ack from the software
to send the next set of packets, and since it isn't getting one,
probably the data isn't arriving to waypoint+.  Wiring should be as
follows:

There are only three pins used by this program-Data in, Data out and
Ground.

| Garmin GPS* | | | 9-pin serial | | Computer 25-pin serial |
|---|---|---|---|---|---|
| Ground | pin 2 | ----------> | pin 5 | Ground | pin 7 |
| Data Output | pin 4 | ----------> | pin 2 | Receive | pin 3 |
| Data Input | pin 5 | ----------> | pin 3 | Transmit | pin 2 |

The data in line is ok, since you can control the gps.  Check again; you
can email me directly if you like and I will help further analize the
problem. Possible further analysis:  setup of serial port in pc.

--
Barry, KG2LB

Email:  mailto:brimmer@sprynet.com
Page:   http://home.sprynet.com/sprynet/brimmer
ICBM:   24.6625N  81.4815W
Quote:  Wherever you go, there you are (you can't fool gps)

Homepages for Waypoint+ and Garlink:
http://home.sprynet.com/sprynet/brimmer/gps.htm

Free Retirement/Dinner Timer, and two Free Internet Weather Programs:
http://home.sprynet.com/sprynet/brimmer/FreeStuff/FreeSoftware.htm
Screenshots and descriptions for all above are available on my homepage.

## 810. .POS file of Repeaters

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Sun, 25 May 1997 12:57:18 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970525185718.006bd124@quake.xnet.com>
Rendered body type: text/plain

What is the format to make this file?  I would like to try to put something
together
for the chicago area of some of the repeaters I have Waypoints for them
already.  If you can send me a demo of what the data looks like I can make
it into that format, I know the data probably consist of the call sign,
frequency, lat/long, power, and height data, and maybe a comment line
stating PL or Mic E capable.  Appreciate the syntex of this .POS and I can

staryt working on our area and forward it to whomever is making a national
.POS file.

Ron N9QGS

## 811. MacAPRS Weather Alarms

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Sun, 25 May 1997 13:01:14 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970525190114.006b9c00@quake.xnet.com>
Rendered body type: text/plain

Hi,

I am getting High and Low Wind alarms on stations that are not outside of my alarm status set in the Weather Settings box. When a new report comes in it says High Temperature Alarm N9QGS, Low Temperature Alarm N9QGS, High Temperature Alarm N9QGS, etc. or whatever station it is... Also when APRS looks for Wind Alarms, does it check to see what the gust is /g032, to see if that exceeds, cause when I have a wind gust of 55, it still puts out a wind speed of 21 gusting to 55, and I am wondering if thsi will trigger others alarms threshholds of 30 MPH, lets say.

Ron N9QGS
weather@xnet.com

## 812. Adding Memory in Performa

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Sun, 25 May 1997 13:05:04 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970525190504.006afe7c@quake.xnet.com>
Rendered body type: text/plain

I am hoping someone in the SIG is running a Performa series Mac and has had to open it up for adding memory, I have never taken mine apart, and did some screws on the back and removed covers, and still doesnt allow access or the cover to slide off. I have a Performa 636CD, which came with 8 Meg RAM, and in the manual it says it comes with 4 soldered on the board and 1 72 PIN SIMM socket, now I am assuming my model has the other 4 in that socket, and I can just replace that with a 16 Meg and give me 20 Megs RAM? Any help is appreciated cause the manual doesnt tell you a lot about how the memory works on these machines, and I certainly cannot get in there yet to see myself.
Ron N9QGS
Weather@xnet.com

## 813. Tripmate GPS Delorme

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Sun, 25 May 1997 13:16:59 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970525191659.006acf4c@quake.xnet.com>
Rendered body type: text/plain

I was wondering if everyone is happy with the Tripmate GPS, the reason I ask, is I am in the market for Delorme Street Atlas 4, which sells for $39-$54 at stores around here and for around $139 you can get SA 4 and a GPS, making the GPS under $100, and its 12 channels, and I guess it spits out proper sentances for a standalone tracker to use, I do want to put together a second stand alone, with HT and KPC or maybe PAccomm new TNC, and $$ is a factor right now, and I thought this would be the way togo. KB9LBU showed me his, and was quite impressed in a 12 ch recieve to stick in the dashboard window.

Ron

## 814. ULTIMETER SW Beta Testers Needed

From: steve hajducek <n2ckh@cybercomm.net>
Date: Sun, 25 May 1997 14:44:05 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970525144403.006e1d80@raven.cybercomm.net>
Rendered body type: text/plain

Hello All,

I am currently involved in an independant development
effort of MS-Windows software in support of the
Peet Bros. Co. series of Ultimeter weather stations.

This software application, named SkyWarn/2001(tm),

is at present a 16 bit application that will run under
MS-Windows v3.1 and up. It fully supports the Ultimeter
models II, 500 and 2000 for near-real time data
display and logging. Furthermore, it completely
supports the Complete Record Mode of the 2000 for
access to long term data. At present the software is
in Alpha, with Beta being planned for the month of
June '97.

What I am looking for is volunteers, preferably one
or two from each state, and anywhere outside the U.S.,
for each of the three Ultimeter models. What is needed
to qualify is a willingness to test new software, that may
not always work correctly,  and the required minimum
Intel 386DX25 PC (or compatiable) with 8MB RAM,
SVGA graphics, 800 x 600 or better (1024 x 768 preferred)
in small fonts and one of the Ultimeter models with all
supporting sensors for said model.

Anyone interested, please visit my website and either
use the beta form at the bottom of the main page or
send me an e-mail outlining your capabilities and
interest, additional preliminary information on the
software can be found at the website, along with
some sample screen captures. The URL is:

http://www.qth.com/n2ckh.bytewise.org

I would like to thank everyone for their time in reading
and considering the contents of this request.

/s/ Steve, N2CKH

## 815. Re: WORLDWIDE APRS Satellite Tracking

From: jzaruba@juno.com (John A Zaruba Jr.)
Date: Sun, 25 May 1997 15:42:29 EST
To: aprssig@tapr.org
Message-ID: <19970525.154252.12582.0.jzaruba@juno.com>
Rendered body type: text/plain

On Sun, 25 May 1997 11:06:40 -0500 (CDT) Bob Bruninga
<bruninga@nadn.navy.mil> writes:
>1)  I would recommend packets be transmitted using UNPROTO APRS VIA
>PACSAT,GATE,WIDE.  (What is the pacsat digi call of AO-16?)

I believe that the digi call is just PACSAT. (PACSAT-11 being the
broadcast server and PACSAT-12 the upload server). Some frame monitoring
in ax.25 will confirm this.

>Can you make your PACSAT TNC
>listen with BPSK to the downlink while stil being normal ole' AFSK
>AX.25
>on the SEND SIDE???  If so, then you simply set your MYAlias to GATE
>and
>it is done!

Were that it was so easily done. Alas, the DSP-12 wants to send
Manchester encoded  data (sigh).

>If not, probably will be better for me to write a second port to an
>APRS
>version so that it monitors the packets on the downlink (your PACSAT
>station still works its thing oblivious to APRS).  But this second
>serial
>port on another old 286 PC will then pick off the APRS packets and
>then
>re-originate them...  THis is BETTER since then we can make the
>packets
>only VIA PACSAT and then add the longer WIDE,WIDE,etc on the ground.
>Ill
>start woring on this....

I have two PC's running in the shack, so moving data from one to another
is not a problem. Let me know what you come up with.

73 de John AA2BN
jzaruba@juno.com

## 816. Legal question

From: Gary Wells <gwells@nbn.net>
Date: Sun, 25 May 1997 16:47:24 -0400
To: aprssig@tapr.org
Message-ID: <3388A55C.1C85@nbn.net>
Rendered body type: text/plain

Here's one for all the arm chair lawyers out there:

Lets say I am running APRS from my home station (which I do). To keep QRM to a minimum, my POSrate is set to 15 min. and I beacon every 30 min.

Lets also say my alias is RELAY.

Now, one min. after my Position packet goes out, a mobile station uses my station as a relay. My station re-transmittes the packet, which contains his ID, but not mine. My station willnot ID again until the next position packet, in 14 min.

Am I in violation of the 10 min. ID rule, or am I missing something here? (wouldn't be the first time ;-)
--
Gary Wells N3HCP
gwells@nbn.net
http://users.nbn.net/~gwells/

## 817. Re: [APRSSIG:12918] Source for USGSMAP1.BAS or similar prg

From: rwf <rwf@mindspring.com>
Date: Sun, 25 May 1997 16:52:09 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970524214302.00abab18@ccegate.cokecce.com>
Rendered body type: text/plain

If you mean the 2,000,000:1 maps- I already did all of GA. They are called GA-1 thru GA-11 and are in the BSRG distribution of APRS on my web page (see below)

Ralph N4NEQ

At 09:20 AM 5/24/97 -0500, you wrote:
>I amin the process of making detailed maps of the Savannah GA and
>surronding area. I have the 100K USGS CD and have used it successfully.
>What I am in need of is the program listed in aprs docs as being usefull in
>converting the downloaded 200kUSGS files for use with aprs.. I have the
>MakeMap1.bas but it is for use with the 200k CD.. I need the USGSMAP1.bas
>program by W4NMK.. If anyone has this program and could file attach it to
>me, I sure would appreciate it..

## 818. AEA PK-96 & APRS...

From: "David A. Cooley" <cooldave@ipass.net>
Date: Sun, 25 May 1997 16:53:23 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970525165323.0069cdc0@mail.ipass.net>
Rendered body type: text/plain

Hello all,
Anyone running an AEA PK-96 with a GPS for tracker purposes?
If so, where did you get the firmware to support GPS mode and what price?
If it can't be used, anyone got a KPC-3 for sale cheap?
Thanks,
Dave

==========
David Cooley N5XMT Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
==========

## 819. AEA PK-96 & APRS...

From: "David A. Cooley" <cooldave@ipass.net>
Date: Sun, 25 May 1997 16:56:52 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970525165652.0069a370@mail.ipass.net>
Rendered body type: text/plain

Sorry,
I meant PK-90...

>Hello all,
>Anyone running an AEA PK-96 with a GPS for tracker purposes?
>If so, where did you get the firmware to support GPS mode and what price?
>If it can't be used, anyone got a KPC-3 for sale cheap?
>Thanks,
>Dave
>
==========
David Cooley N5XMT Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
==========

## 820. Re: [APRSSIG:12942] Legal question

From: Steve Dimse <sdimse@bridge.net>
Date: Sun, 25 May 97 17:04:03 -0400
To: <gwells@nbn.net>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705252103.RAA21140@bridge.net>
Rendered body type: text/plain

On 5/25/97 4:52 PM Gary Wells (gwells@nbn.net) wrote:

>Here's one for all the arm chair lawyers out there:
>
>Lets say I am running APRS from my home station (which I do). To keep
>QRM to a minimum, my POSrate is set to 15 min. and I beacon every 30
>min.
>
>Lets also say my alias is RELAY.
>
>Now, one min. after my Position packet goes out, a mobile station
>uses my station as a relay. My station re-transmittes the packet,
>which contains his ID, but not mine. My station willnot ID again until
>the next position packet, in 14 min.
>
>Am I in violation of the 10 min. ID rule, or am I missing something
>here? (wouldn't be the first time ;-)

Yes, this is a technical violation of the rules. Most TNCs have an option
for autiomatic DIGI ID, (HID ON) that broadcast an ID packet at 9.5
minute intervals if (and only if) packets are being digi'ed.

However, given the FCC's lack of enforcement of even grevious violations
in ham radio, and the fact that the HID carry no "useful" information to
APRS, many people leave HID off. That must be an individual choice.

Steve K4HG

## 821. Re: [APRSSIG:12939] Tripmate GPS Delorme

From: Jack Anderson <jra@crosslink.net>
Date: Sun, 25 May 1997 17:32:26 -0400
To: weather@xnet.com, aprssig@tapr.org
Message-ID: <2.2.32.19970525213226.006a80c0@jra.pop.crosslink.net>
Rendered body type: text/plain

I'm very happy with mine. Works great for standalone APRS applications.
Works great with SA4.

Jack

At 01:24 PM 5/25/97 -0500, Ron Malinowski, Jr. wrote:
>I was wondering if everyone is happy with the Tripmate GPS, the reason I
>ask, is I am in the market for Delorme Street Atlas 4, which sells for
>$39-$54 at stores around here and for around $139 you can get SA 4 and a
>GPS, making the GPS under $100, and its 12 channels, and I guess it spits
>out proper sentances for a standalone tracker to use, I do want to put
>together a second stand alone, with HT and KPC or maybe PAccomm new TNC, and
>$$ is a factor right now, and I thought this would be the way togo. KB9LBU
>showed me his, and was quite impressed in a 12 ch recieve to stick in the
>dashboard window.
>
>Ron
>
janderson@rcc.com - at work

jra@crosslink.net - at play
Northern Virginia javAPRS - http://www.crosslink.net/~jra/aprs

## 822. TNC Recommendation?

From: Beverly Weitzenhoffer <grafx@internetmci.com>
Date: Sun, 25 May 1997 14:45:38 -0700
To: aprssig@tapr.org
Message-ID: <01IJAN014YMU96VVVW@MAIL-CLUSTER.PCY.MCI.NET>
Rendered body type: text/plain

I am putting together a portable packet station and have recently become interested in APRS. Does anyone have a recommendation for a TNC that operates off of a self contained battery? Are there any TNCs to avoid?

Also, I am using an AEA PK-88 TNC for my current packet station. Will this work with APRS OK?

Thanks for taking the time to read the message!

73 Mark D. Weitzenhoffer KC7FAA

grafx@internetmci.com
kc7faa@bjsgrafx.com
KC7FAA @ W7DK.#WWA.WA.USA.NOAM

## 823. Re: [APRSSIG:12946] Re: Legal question

From: Dick Flanagan <dick@merlin.libelle.com>
Date: Sun, 25 May 1997 15:32:49 -0700
To: sdimse@bridge.net
Cc: aprssig@tapr.org
Message-ID: <v03102806afae6d366973@[207.33.105.223]>
Rendered body type: text/plain

>However, given the FCC's lack of enforcement of even grevious violations
>in ham radio, and the fact that the HID carry no "useful" information to
>APRS, many people leave HID off. That must be an individual choice.

I really don't want to start a philosophical debate, but the FCC's lack of enforcement capability is all the more reason for us to be police ourselves. By that I mean you police yourself and I police myself (for those who never thought about it, that is what is meant by "self policing." It does -not- mean you police me and I police you.). With no enforcement--not even self-enforcement--chaos will result and we all have far too much to loose from that.

73, Dick

--
Dick Flanagan W6OLD CFII Minden, Nevada
Visit http://www.delphi.com/electronic/

## 824. Re: [APRSSIG:12885] Re: Map Server

From: John W Wilson <z004391b@bc.seflin.org>
Date: Sun, 25 May 1997 19:10:26 -0400 (EDT)
To: "Mark D. Fellhauer" <sparkfel@primenet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.3.89.9705251951.A2735-0100000@bc>
Rendered body type: text/plain

The Street Atlas program (that came with my little yellow GPS) will do that for you. The program is available seperately. If you have just a few, I will send you the lat/lon of your addresses. They will be close, by the way, not 'dead on'. 73,

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Fri, 23 May 1997, Mark D. Fellhauer wrote:

> All of these are great map servers but it seems that people don't understand
> what I'm asking for. I clearly stated that I want to input an adress and
> from that get a printout of the address' LAT AND LON. I don't car about the
> map. I WANT THE LAT AND LON. None of these map servers print out the LAT
> AND LON of the address I enter.
>
>

> 
> 
> At 09:26 AM 5/23/97 -0400, Robert Kirk wrote:
> 
> 
> >At 04:31 23-05-97 -0500, you wrote:
> >>
> >>I seem to recall there used to be a map server on the web where one could
> >>input an address and it would display a map and the address' Lat and Lon.
> >>Does anyone here know of a site like that?
> >>
> >>73,
> >>
> >>Mark
> >>KC7BXS
> >>
> >
> >
> >There are actually several. One is:
> >
> >   http://maps.yahoo.com/yahoo/
> >
> >Cheers, Bob Kirk N3OZB
> >
> >
> 

## 825. Re: [APRSSIG:12944] AEA PK-96 & APRS...

From: John W  Wilson <z004391b@bc.seflin.org>
Date: Sun, 25 May 1997 19:28:41 -0400 (EDT)
To: "David A. Cooley" <cooldave@ipass.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.3.89.9705251920.C2735-0100000@bc>
Rendered body type: text/plain

I got the Eprom from AEA.  Ten dollars.  You may still be able to get an
Eprom from the company who is taking over their TNCs.  (Timewave, I think.)


John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us


On Sun, 25 May 1997, David A. Cooley wrote:

> Hello all,
> Anyone running an AEA PK-96 with a GPS for tracker purposes?
> If so, where did you get the firmware to support GPS mode and what price?
> If it can't be used, anyone got a KPC-3 for sale cheap?
> Thanks,
> Dave
> 
> ===============================================================================
> David Cooley N5XMT                  Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
> Internet: cooldave@ipass.net    And Web: http://www.ipass.net/~cooldave/
> Sponges grow in the ocean... Wonder how deep it would be if they didn't!
> ===============================================================================
> 

## 826. Re: Legal question

From: Mark Oppenheim <71055.1255@CompuServe.COM>
Date: 25 May 97 19:33:45 EDT
To: APRSSIG <aprssig@tapr.org>
Message-ID: <970525233345_71055.1255_GHI53-1@CompuServe.COM>
Rendered body type: text/plain

While Steve is right, there are a couple of caveats...

1) If APRS is running, that is usually squirting out your ID every 6-10 minutes
anyway, so that takes care of the ID problem.

2) If you are running long digipeat paths (ie: >4 digipeaters), HID should be
OFF, as HID packets will also follow the digi paths and will add to channel
congestion.  This is almost as annoying as stations (in the USA, where it's not
required) turning on the CWID function.

You can also set your beacon to "B A x" (becon after channel activity only)
rather than "B E x" (beacon every x minutes whether there is activity or not)
and this can also take care of that nasty ID problem.

Mark
KD6KQ

---
>Yes, this is a technical violation of the rules. Most TNCs have an option
for autiomatic DIGI ID, (HID ON) that broadcast an ID packet at 9.5
minute intervals if (and only if) packets are being digi'ed.

>However, given the FCC's lack of enforcement of even grevious violations
in ham radio, and the fact that the HID carry no "useful" information to
APRS, many people leave HID off. That must be an individual choice.

>Steve K4HG

## 827. Re: [APRSSIG:12949] Re: Legal question

From: Steve Dimse <sdimse@bridge.net>
Date: Sun, 25 May 97 19:41:23 -0400
To: <dick@merlin.libelle.com>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705252340.TAA06088@bridge.net>
Rendered body type: text/plain

>>However, given the FCC's lack of enforcement of even grevious violations
>>in ham radio, and the fact that the HID carry no "useful" information to
>>APRS, many people leave HID off. That must be an individual choice.
>
>I really don't want to start a philosophical debate, but the FCC's lack of
>enforcement capability is all the more reason for us to be police
>ourselves.  By that I mean you police yourself and I police myself (for
>those who never thought about it, that is what is meant by "self policing."
>It does -not- mean you police me and I police you.).  With no
>enforcement--not even self-enforcement--chaos will result and we all have
>far too much to loose from that.
>
First of all, I was not advocating or arguing against it, I was merely
summarizing the several prior discussions on the SIG. However, I really
doubt that IDing every 15 minutes instead of every 10 is going to lead to
chaos. My point is that with the lack of FCC enforcement we have the
luxury of following the spirit rather than the letter of the law. That is
what I meant by it being an individual choice.

The ID frequency law was written with voice and cw QSOs in mind. Without
the law, people could talk for hours without identifying themselves. I
doubt the FCC would care, even if they had unlimited resources for
enforcement, that the interval was 15, or even 30 minutes, especially
when the ID is guaranteed since it is machine generated.

Let your conscience be your guide...

Steve K4HG

## 828. GPS45 for sale

From: bob <w2g3zfj@unix.asb.com>
Date: Sun, 25 May 1997 19:43:01 -0400
To: aprssig@tapr.org
Message-ID: <3388CE85.250D@unix.asb.com>
Rendered body type: text/plain

Hi Folks

I have decided that I have enough GPS's and my trusty GPS45 is up for
grabs. Works great with APRS and has travelled all over the world with
me. Its about 2 years old and comes with manual, original box, mounting
bracket, strap and case.

If interested send me a private EMail and we can discuss details. But
its a bargain!

73 de bob

--
bob w2/g3zfj

mailto: w2g3zfj@unix.asb.com

javAPRS page and other good stuff

http://www.asb.com/usr/w2g3zfj/aprs1.htm

==========

## 829. Re: [APRSSIG:12952] Re: Legal question

From: Steve Dimse <sdimse@bridge.net>
Date: Sun, 25 May 97 20:08:51 -0400
To: <71055.1255@compuserve.com>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705260008.UAA08613@bridge.net>
Rendered body type: text/plain

On 5/25/97 7:41 PM Mark Oppenheim (71055.1255@compuserve.com) wrote:

>While Steve is right, there are a couple of caveats...
>
>1) If APRS is running, that is usually squirting out your ID every 6-10
>minutes
>anyway, so that takes care of the ID problem.
>
This depends on the version of APRS you are using. Mac/WinAPRS let you
set the interval, and for a fixed station, intervals of 30-60 minutes are
recommended. APRSdos decays the beacon time to (I believe) 30 minutes.

>2) If you are running long digipeat paths (ie: >4 digipeaters), HID should be
>OFF, as HID packets will also follow the digi paths and will add to channel
>congestion.  This is almost as annoying as stations (in the USA, where
>it's not
>required) turning on the CWID function.
>
Again, this has to be a personal choice. I turn the HID off on my TNCs,
but I think it is wrong to advise other stations to do so without
informing them of the fact that it may result in a technical violation of
the FCC rules. Anyway, there is very rarely a need for paths of 5 hops.
THIS is what I think should be strongly discouraged.

>You can also set your beacon to "B A x" (becon after channel activity only)
>rather than "B E x" (beacon every x minutes whether there is activity or not)
>and this can also take care of that nasty ID problem.
>
This option only affects the internal BTEXT , which is usually off while
the TNC is being controlled by one of the APRS programs. It will not have
any affect for most stations doing APRS ops.

Steve K4HG

## 830. win 2.0

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 25 May 1997 20:19:50 -0400
To: aprssig@tapr.org
Message-ID: <19970525.201950.5166.0.KD4EMI@juno.com>
Rendered body type: text/plain

Im not sure but I think the position report rate is not working either.

I was gone most of weekend (running no other apps)
and had only the position reports when I first booted the program.

I set the interval to 1 minute, restarted and it never xmitted after the
initial
sign on.

Maybe it's just "my" version?  take a look at the history, or set your
posit rate to
1 min and see if it works.

Mike KD4EMI@JUNO.COM

## 831. Re: [APRSSIG:12948] TNC Recommendation?

From: kd4emi@juno.com (Michael A. Kantor)
Date: Sun, 25 May 1997 20:25:58 -0400
To: grafx@internetmci.com
Cc: APRSSIG@tapr.org
Message-ID: <19970525.202742.5166.1.KD4EMI@juno.com>
Rendered body type: text/plain

On Sun, 25 May 1997 16:56:21 -0500 (CDT) Beverly Weitzenhoffer
<grafx@internetmci.com> writes:
>I am putting together a portable packet station and have recently
>become
>interested in APRS.  Does anyone have a recommendation for a TNC that
>operates off of a self contained battery?  Are there any TNCs to

>avoid?
------------
I am discovering that tnc-2 compatable units may be better, KANTRONICS
doesnt allow anyone to mess with the sorce code, limiting you to wait for
their
ROM upgrades. TNC-2 compatable tnc's at least have a chance to have rom
upgrades by independent code writers.

KPC 3 though is a easy to use unit, and if thats what matters, go for it.
But I'm leaning to paccomm now...

Mike KD4EMI@JUNO.COM

## 832. WinAPRS 2.0.1 MacAPRS 3.0.1

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sun, 25 May 97 20:56:01 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.864608161.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

WinAPRS 2.0.1 and MacAPRS 3.0.1 are now up on the FTP sites..

We would like to thank the many people that sent in bug-reports on the 2.0
release.  Dayton just came way to early this year and we tried to get a bunch
of stuff done by Dayton that we just were not able to finish.

If you have bug-reports that are simple bug reports, it might be better to
just send them to Mark and I privately instead of the entire SIG. If you have
reports/questions that pertain to the entire SIG, send them there.

The Sproul Brothers

Keith Sproul                              Ham Radio: WU2Z
Student Housing Network Coordinator      ksproul@noc.rutgers.edu
Rutgers University Computing Services    908 445-3695 Work  908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/      908 821-4828 Home

## 833. RE: Leagal Question

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sun, 25 May 97 20:58:11 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.864608291.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

Paccomm just came out with VERSION 4.0 software which includes Call-Sign
replacement on DIGI-PEATED packets.  This (in my opinion) gets away from the
leage question TOTALLY.. Now -MY- call sign will be transmitted on EVERY
packet that gets transmitted from my station.

Keith

Keith Sproul                              Ham Radio: WU2Z
Student Housing Network Coordinator      ksproul@noc.rutgers.edu
Rutgers University Computing Services    908 445-3695 Work  908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/      908 821-4828 Home

## 834. Vancouver maps

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 25 May 1997 21:09:00 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970525210749.25431A-100000@arctic>
Rendered body type: text/plain

I finished the three Vancouvre Island maps, but am having mailer problems.
I will post them as soon as I figure out what is wrong with my upload
capability.

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 835. APRS via PACSATA

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 25 May 1997 21:14:51 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970525210903.25431B-100000@arctic>
Rendered body type: text/plain

Since three people responded with interest in setting up autmoated APRS PACSAT Gateway stations, I wrote a program called APRSGATE.EXE that will use a single serial port to monitor ALL posits on one frequency and then turn around and transmit them as objects on another frequency.

This is only a quick fix program to get a minimum capabilty on line. It has no terrestrial application since it only goes one way and is for LOW dutycycle... Dont think that you can use it to gateway between 144.39 and 145.79 for example...

Since all it does is monitor the output of the PACSAT TNC for APRS digipeated packets, it should run fine on an old 286 while allowing the main station PACSAT PC and TNC's to wrok normally. Once it gets posits on the pacsat, it adds them to the P-LIST, and then periodically uplinks those objects via a conventional APRS TNC on the same comm port to either the VHF or HF network...

I will post APRSgate.zip as soon as I find out why my account is not letting me upload it...

## 836. Re: [APRSSIG:12949] Re: Legal question

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sun, 25 May 1997 21:34:02 -0400 (EDT)
To: Dick Flanagan <dick@merlin.libelle.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970525212703.25431L-100000@arctic>
Rendered body type: text/plain

On Sun, 25 May 1997, Dick Flanagan wrote:

> I really don't want to start a philosophical debate, but the FCC's lack of
> enforcement capability is all the more reason for us to be police
> ourselves. By that I mean you police yourself and I police myself (for

APRSdos REPLY/COMMENT: WHile not being one to recommend a violation of the FCC rules, I think the 10 minute requirement for an HID packet is MORE THAN ADEQUATELY met on APRS. EVERY station that is on the freuqnecy not only ID's every 15 minutes, but it shows you where it is and what its coverage is. This "self reporting" and "identification" is in my opinion far better than an HID packet and far beyond the wildest dreams of an FCC enforcer. Common sense would tell anyone that the APRS self identification is far more than adequate and far better than the "intent" of the HID requirement. I have no qualms at turning my HID off.

Someone with time on their hands are welcome to spend the next 3 years of their life trying to change the rule. In the meantime, give a copy of APRS to your local enforcer and let us know his opinion.

See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 837. RE: [APRSSIG:12945] AEA PK-96 & APRS...

From: "David A. Cooley" <cooldave@ipass.net>
Date: Sun, 25 May 1997 22:19:28 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970525221928.006a1f70@mail.ipass.net>
Rendered body type: text/plain

Hi Frank,
No Problem...
I Emailed the folks at timewave that bought out AEA about an upgrade... offerred to send them the binary of the TNC Eprom if they need it. I'll let you know what happens!

Thanks,
Dave

At 07:00 PM 5/25/97 -0700, you wrote:
>David
>You are the first pk-90 person I've heard of, please keep in touch with what ever you get back on your request for info.
> Frank

```
>
>----------
>From:  David A. Cooley[SMTP:cooldave@ipass.net]
>Sent:  Sunday, May 25, 1997 9:01 AM
>To:    aprssig@tapr.org
>Subject:       [APRSSIG:12945] AEA PK-96 & APRS...
>
>Sorry,
>I meant PK-90...
>
>
>>Hello all,
>>Anyone running an AEA PK-96 with a GPS for tracker purposes?
>>If so, where did you get the firmware to support GPS mode and what price?
>>If it can't be used, anyone got a KPC-3 for sale cheap?
>>Thanks,
>>Dave
>>
>===============================================================================
>David Cooley N5XMT                  Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
>Internet: cooldave@ipass.net    And Web: http://www.ipass.net/~cooldave/
>Sponges grow in the ocean... Wonder how deep it would be if they didn't!
>===============================================================================
>
>
>
>
>Attachment Converted: "C:\Eudora\Attach\RE [APRSSIG12945] AEA PK-96 &"
>
===============================================================================
David Cooley N5XMT                  Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net    And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
===============================================================================
```

## 838. Warning! WinAPRS Update Zip File

```
From: hasan schiers <schiers@ames.net>
Date: Sun, 25 May 1997 21:27:40 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970525212738.006f8b44@pop3.ames.net>
Rendered body type: text/plain
```

Thanks to the Bros. Sproul for putting out the bug fixes so quickly.

A warning. Heads UP!

The update file has a totally different directory structure. Don't simply unzip it with -d and expect it to overwrite your old files. The default directory in the update is \waprsnew...and all sub directories are below this strange new one.

My normal directory is e:\winaprs which is where the executables go. Extracting from the update produced:

e:\winaprs\waprsnew\   and this is where the new executable went.

If I hadn't been careful and selected only the excutable, it would have created several other directories as well...all in the wrong place.

If it is your intention to replace your existing files with the new files of this update, BE CAREFUL, or you are:

1. Not going be replacing them.
2. Creating a totally new directory structure on your hard disk

(Which could be what you want if you want to have two isolated copies of the program on your hard disk...one the most recent and the other the most reliable release to date.)

The full update file directory structure is fine...just like it has been for several versions.

I think the update structure is an oversight...they were using it to keep things clean while they were working and probably forgot to go back to the "normal" directory structure before posting it. Or, they intended to create an entirely new, isolated area to test out the new code....and keep it isolated from prior copies. This has never been the case before, so I thought I would bring notice to it.

Heads up...or you may create quite a mess for yourself...and end up
running the old copy when you think you are running the new copy.

For the bold, you can still download the update and carefully and
selectively extract the files to where you know they should go.
For the more conservative, I would recommend just getting the full
version, where the paths are consistent with past releases.

73,

------------------
hasan schiers, N0AN

schiers@ames.net

## 839. Re: [APRSSIG:12958] WinAPRS 2.0.1 MacAPRS 3.0.1

From: Bobbbe@aol.com
Date: Sun, 25 May 1997 22:41:07 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970525224107_-764820251@emout03.mail.aol.com>
Rendered body type: text/plain

I'm a little new to all this but is there a version that will run on my LINUX
box?
I do have x-windows capability on the system. I have a KPC-3 sitting around
with nothing to do and thought I would give it a try.

## 840. Re: [APRSSIG:12959] RE: Leagal Question

From: rwf <rwf@mindspring.com>
Date: Sun, 25 May 1997 22:57:17 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970525225711.00a5cf14@ccegate.cokecce.com>
Rendered body type: text/plain

And boy, is Version 4 cleaning up our local network!!

The two WIDES that are on the air serving Atlanta (one more is down right
now) have both dumped the KPC-3 and switched to TNC-2 with the new PacComm
EPROM. My other two in N GA and NC will follow shortly.  I hope the one
that is down in S Atlanta will switch, and I hear that one major TheNet
node in TN is changing and another is almost talked into it.

Now if we can get ole Bill (INZ) to switch as well as his buddy down South-
we will be ready for all of our S Florida visitors this Winter.  ( Just
Kidding Guys)

Seriously- it is GREAT to see which WIDE or RELAY digipeated you.

Bob Winingham- Imagine a Network full of WIDES behaving like my car did in
Dallas (substituting its call sign).

I haven't even mentioned the cool remote commanding of the TNC.

Great work Paccomm- hope the WIDE-N is coming soon too.

Keith or Mark  (they look similar to me) you wrote:
>
>
>Paccomm just came out with VERSION 4.0 software which includes Call-Sign
>replacement on DIGI-PEATED packets.

## 841. Re: [APRSSIG:12961] APRS via PACSATA

From: jzaruba@juno.com (John A Zaruba Jr.)
Date: Sun, 25 May 1997 22:08:01 EST
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <19970525.220819.13286.0.jzaruba@juno.com>
Rendered body type: text/plain

On Sun, 25 May 1997 20:14:46 -0500 (CDT) Bob Bruninga
<bruninga@nadn.navy.mil> writes:

>use a single serial port to monitor ALL posits on one frequency and

Hi Bob,

How big a deal would it be to listen for posits on one com port and spit
them out on
a different port? The reason I ask is due to my system configuration.

PC #1  5x86 133  Win95- manages ground station operations
             WiSP is primary software suite.
             Has DSP-12 (satellite tnc) on COM2:
             Has KAM (local + HF APRS) on COM1:

PC#2  5x86 133 Win95 - primary APRS display computer
             Has KPC-3 on COM2:

Both the VHF port on the KAM and the KPC-3 are connected to the 145.79
radio through an audio multiplexer (NX2P design). The audio mux allows
both TNC's
to "hear" each other when they transmit. Currently the KPC-3 is XMITOK
OFF so  it is used for a display function only.

If your APRSGate program would utilize two com ports, it would allow me
to digi satellite posits to VHF and HF (simultaneously) while being able
to map them on my local display. In this configuration I would put XMITOK
ON in the KPC-3 to allow normal
APRS operations while doing the gate way stuff too...

TNX es 73 de John AA2BN
jzaruba@juno.com

## 842. Pico Packet Xmit Failure w/ APRSdos

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Mon, 26 May 1997 03:26:44 +0000
To: aprssig@tapr.org
Message-ID: <19970526032642.AAA145@LOCALNAME>
Rendered body type: text/plain

To All,

I finally got around to wiring up my new (Hamvention) Pico Packet TNC today
and discovered a problem with it and APRS DOS.  Whenever a status or posit
are sent either by the timer or because of a received query the first packet
will xmit but the second one will not.  I've monitored this from the V
screen and when the second packet tries to launch the word "command" appears
in the screen.  The TNC xmit LED does not illuminate even though the
computer sends the familiar xmit beep.  The tnc will not xmit anything else
(i.e. queries, posit's, status, etc) until an O C T is issued, the cmd
prompt appears, then I can hit escape and all is well until the next time.
I even tried a C B V but it would not clear the problem.

I've been in touch with N8VTW this evening and he is experiencing the same
problem with an identical unit.  We both have the 1 May firmware.  I am
running 792.  I don't know what Jerry is running.

Does anyone have a fix?

Bob Mahoney, WB8CXN
Dayton OH

## 843. Re: [APRSSIG:12968] Pico Packet Xmit Failure w/ APRSdos

From: Jeff Brenton <jeffb@stans.com>
Date: Sun, 25 May 1997 23:43:31 -0500
To: rgmahon@worldnet.att.net
Cc: aprssig <aprssig@tapr.org>
Message-ID: <338914F3.37DF@stans.com>
Rendered body type: text/plain

Robert, what you've described has happened to me a few times - running
DOS APRS, my tracker would stop sending posits, and I'd have to
disconnect from the TNC before it would start transmitting again. Since
I had no time to play with it when it happened, I've dropped the idea of
running APRS in the car for now... until/unless I can test WinAPRS in
the same situation, and that will take a different computer than I
currently have.

Thanks for diagnosing most of what is happening; hopefully, Bob can get
it fixed, now!

Robert Mahoney wrote:
> I finally got around to wiring up my new (Hamvention) Pico Packet TNC today
> and discovered a problem with it and APRS DOS.  Whenever a status or posit
> are sent either by the timer or because of a received query the first packet

> will xmit but the second one will not.  I've monitored this from the V
> screen and when the second packet tries to launch the word "command" appears
> in the screen.  The TNC xmit LED does not illuminate even though the
> computer sends the familiar xmit beep.  The tnc will not xmit anything else
> (i.e. queries, posit's, status, etc) until an O C T is issued, the cmd
> prompt appears, then I can hit escape and all is well until the next time.
> I even tried a C B V but it would not clear the problem.

## 844. Re: [APRSSIG:12931] Help with Waypoint+

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Sun, 25 May 1997 22:38:58 -0700
To: aprssig@tapr.org
Message-ID: <338921F2.5BC48294@bigfoot.com>
Rendered body type: text/plain

Thaks to everyone that offered help (and there were a lot of you). I
tried most everyones suggestions but it ended up being a gender changer
I had inline. I had checked this out a couple of times and still can't
figure out why it is not working. When placing a piece of wire into the
hole and ohming with the opposite end it checked out fine but would not
work when plugged into the port. I picked up several items today and
decide to get another gender changer on the off chance. Changed them out
and Wa La it worked. Must be something about the pins not making good
contact. The changer was very old and may be corroded internally.
Anyway, Thanks again for all the help.
     New problem is getting GPS 12 XL to work with PK-12 TNC. Everything
checks out but TNC will not make radio TX. I am hoping that it is not
xmiting because I am inside and the GPS cannot get a good fix. The book
says a transmission will not occur if the correct NMEA info is not
received on the serial port. Something to work on tommorrow...


--
******************
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
******************

## 845. re: Legal question

From: Mike Musick <71301.3106@CompuServe.COM>
Date: 26 May 97 01:44:08 EDT
To: <aprssig@tapr.org>
Message-ID: <970526054408_71301.3106_FHJ46-1@CompuServe.COM>
Rendered body type: text/plain

> RELAY... Am I in violation of the 10 min. ID rule?

Answering this as an Official Observer and OOC...

Steve, Bob, and the others are right, Gary. This issue is "spirit of the law"
versus "letter of the law". The spirit is served - in spades. Don't worry about
it.

Besides, I'd be absolutely out of my mind to write a notification for somebody
who was ID'ing on voice every 15 minutes. It would be perceived as petty, and
rightfully so.

  ...mike/N0QBF
     71301.3106@compuserve.com

## 846. Re: [APRSSIG:12969] Re: Pico Packet Xmit Failure w/ APRSdos

From: William Nolle <wa8inz@mindspring.com>
Date: Mon, 26 May 1997 06:05:06 -0500
To: aprssig@tapr.org
Message-ID: <33896E62.652D@mindspring.com>
Rendered body type: text/plain

Jeff Brenton wrote:
>
> Robert, what you've described has happened to me a few times - running
> DOS APRS, my tracker would stop sending posits, and I'd have to
> disconnect from the TNC before it would start transmitting again. Since
> I had no time to play with it when it happened, I've dropped the idea of
> running APRS in the car for now... until/unless I can test WinAPRS in
> the same situation, and that will take a different computer than I
> currently have.
>

I wonder now what i see here in these messages if this has something to
do with the latest 2 or 3 versions of APRS. I noticed that both with
791,792, and APRSD1 all have this problem. After transmitting for a
while (Specially when keyboarding with someone) say for about 1/2 hour
all at once APRS will not transmit anymore and no red lights are shwoing
TX either. It will still receive without any problem, but in order for
me to transmit anything again i have to reset (Reload) APRS. This has
happened to me 5 or 6 times and i always figured it must be somethinng
with my setup but now hearing this makes me wonder!!. I don't think it
has anything to do with the TNC at all. Now this is at my base QTH
setup.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 847. APRS TX Failure

From: William Nolle <wa8inz@mindspring.com>
Date: Mon, 26 May 1997 06:11:53 -0500
To: aprssig@tapr.org
Message-ID: <33896FF9.4E1C@mindspring.com>
Rendered body type: text/plain

I noticed more and more users are having problems of APRS failing to
transmit. Before expecting your TNC's i would expect a bug in the last
several versions first. Personally i have used 3 different TNC's with my
base APRS setup and they all at one point or another failed to transmit.
I didn't think to much of it at the time and just reloaded APRS. While
it did not transmit i did reset the TNC and that didn't solve the
problem.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 848. WinAPRS Crashing

From: Mike Walker <mwalker@interlog.com>
Date: Mon, 26 May 1997 08:39:56 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526083956.00b54e60@gold.interlog.com>
Rendered body type: text/plain

Hi All

For all those people who have their WinAPRS crashing, I'd like to know how
many are running screen savers?

I'm about 3 versions behind the current, but it has been running for 3
weeks now here in Toronto on VHF and HF under windows 95.

I found that when I had a screen saver running, it did crash.  When I
turned off the screen saver, the problem went away.

Comments?

Mike Walker VA3MW
Corbeil Contest Club

## 849. APRS & Sailboat..

From: pete ouellette <pho@crocker.com>
Date: Mon, 26 May 1997 08:45:22 -0500
To: aprssig@tapr.org
Message-ID: <199705260902.JAA15975@rmc1.crocker.com>
Rendered body type: text/plain

[Empty message body]
[Attachment: SAIL.TXT; text/plain; 384 bytes]

## 850. Unzip problems with 2.0.1

From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Mon, 26 May 1997 08:18:34 -0500
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526081834.006a5030@m1.sprynet.com>
Rendered body type: text/plain

Is anyone else having a problem unzipping WAPRS 2.0.1?  I have downloaded
the file three time (full version, not the upgrade) and used the PKUNZIP -d

WAPRS201 command.  All the files unzip and I get an error message saying there are errors in the file.  WAPRS starts up OK, and the version shows 2.0.1, but everything west of Colorado/Texas is missing (map wise)

Anyone else having this problem?

## 851. DIGI .POS file

From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Mon, 26 May 1997 08:23:17 -0500
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526082317.006a625c@m1.sprynet.com>
Rendered body type: text/plain

This is a suggestion that I made to Bob at Dayton, and I'm resuggesting it to remind Bob as well as the Bros. Sproul.

Is there a way we can show , in the .POS file, which DIGI's are using the new PaComm software.  At the same time a provision should be made to show which DIGI's are using the WIDE-N software (when it becomes available). This would help the local users determine what paths they can use.

Dave
WB0WNX-7 Mojave Airmobile

## 852. CTEXT

From: gustavoc@pinos.com
Date: 26 May 1997 10:40:42 EDT
To: aprssig@tapr.org
Message-ID: <199705261331.JAA62760@osceola.gate.net>
Rendered body type: text/plain

Hi!
Can I put on my ctext the gps info. I using a picopacket.

TIA

Gustavo.

## 853. Re: [APRSSIG:12974] WinAPRS Crashing

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 26 May 1997 08:34:21 -0500
To: mwalker@interlog.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <3389915D.60C8@stans.com>
Rendered body type: text/plain

I stopped running a screen saver with WinAPRS months ago... and there were still instances when it would crash. Most of those were traced down, and information given to Mark and Keith.

One that I got last night with 2.0.0 was a warning about a pointer being freed, but that the pointer wasn't a pointer (can't remember the exact text), but I did not report it because 2.0.1 had been posted.

No need to report bugs in a version that has been replaced, UNLESS the bug persists! Then, you need to know when the bug first appeared...

## 854. WIDE,WIDE,WIDE,WIDE... NOW!

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 26 May 1997 09:48:51 -0400 (EDT)
To: aprssig@tapr.org
Cc: gwyn@paccomm.com
Message-ID: <Pine.SOL.3.96.970526093933.5828A-100000@arctic>
Rendered body type: text/plain

With the new PacComm ROMS, it is possible to do W,W,W,W,W without DUPES as long as all DIGIS have the new ROMS.  This is because of the callsign substitution at the DIGI that will replace each WIDE with the actual call of the DIGI.  This poses a chicken-or-egg problem, since not all DIGIS are going to be upgraded at the same time.  AND until they are, then noone can use this new capability...

*** Here is the solution!

Since the PacComm ROMS also support up to FOUR ALIASES, make one of the aliases be TRACE.

Now then, immdeiately, any APRS packet sent to TRACE,TRACE,TRACE,TRACE
will go out 4 hops in all directions WITH callsign substitution at those
DIGIS that are TRACE capable and WITHOUT dupes... AND without causing
interference where old WIDE DIGIS exist!

I recommend that the DIGI use the usual STAR ICON but with the OVERLAY "T"
so that it shows up as a "TRACE" digi...  SImply use the # symbol and put
the letter T between the LAT/LONG in place of the / or \.

## 855. CROSSBAND LINK

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 26 May 1997 09:53:21 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970526094946.5828C-100000@arctic>
Rendered body type: text/plain

I cobbled together a two-TNC two band APRS link that will pass POSITS
between two freqs.  This was for the PACSAT oeprations, but this program
can also link between any two TNCs'.  But POSITS only, since the POSITS
are linked out as OBJECTS on the other TNC.

This is becasue OBJECTS are the only APRS protocol that permit one station
to report info on another.  All other formats require the sending station
CALL to be in the TNC.  And there is too much handshaking and potential
for error to swap out the callsign on EVERY packet linked...

This is just a start to get things going.  THe program is called
APRSlink.exe and will be posted as soon as I get room on my server.  THis
may take 24 hours or more...

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 856. Re: [APRSSIG:12974] Winaprs Crashing

From: Demos Doulou <ddoulou@gte.net>
Date: Mon, 26 May 1997 09:37:26 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526093726.006b29d8@mail.gte.net>
Rendered body type: text/plain

At 07:43 AM 5/26/97 -0500, Mike Walker wrote:
>I found that when I had a screen saver running, it did crash.  When I
>turned off the screen saver, the problem went away.
>
>Comments?
>
>Mike Walker VA3MW
>Corbeil Contest Club
>
>

Had that same problem here..  With the screen saver on,  it seems like
winaprs will crash,  just when is the question.  It always different.


Demos Doulou
ddoulou@gte.net
KR4US   kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 857. Re: [APRSSIG:12968] Pico Packet Xmit Failure w/ APRSdos

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 26 May 1997 09:57:29 -0400 (EDT)
To: Robert Mahoney <rgmahon@worldnet.att.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970526095624.5828D-100000@arctic>
Rendered body type: text/plain

THIS IS A PROBLEM.  We are working on it.  RIght now, there is no FIX
until we find out what changed in the new PICO.  I will work on it
tomorrow night...

On Sun, 25 May 1997, Robert Mahoney wrote:

> To All,
>
> I finally got around to wiring up my new (Hamvention) Pico Packet TNC today
> and discovered a problem with it and APRS DOS.  Whenever a status or posit
> are sent either by the timer or because of a received query the first packet
> will xmit but the second one will not.  I've monitored this from the V
> screen and when the second packet tries to launch the word "command" appears
> in the screen.  The TNC xmit LED does not illuminate even though the
> computer sends the familiar xmit beep.  The tnc will not xmit anything else
> (i.e. queries, posit's, status, etc) until an O C T is issued, the cmd
> prompt appears, then I can hit escape and all is well until the next time.
> I even tried a C B V but it would not clear the problem.
>
> I've been in touch with N8VTW this evening and he is experiencing the same
> problem with an identical unit.  We both have the 1 May firmware.  I am
> running 792.  I don't know what Jerry is running.
>
> Does anyone have a fix?
>
> Bob Mahoney, WB8CXN
> Dayton OH
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 858. Re: [APRSSIG:12974] WinAPRS Crashing

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 26 May 1997 10:13:04 -0400
To: mwalker@interlog.com
Cc: aprssig@tapr.org
Message-ID: <19970526.101347.8518.0.KD4EMI@juno.com>
Rendered body type: text/plain

Very Interesting

I am using the flying time thing on win 95  as a screen saver. (the one
that comes with win 95 )
I'll disable it and try again !

PS Version 2.01 still only xmits once then not again .....

Mike KD4EMI@JUNO.COM

On Mon, 26 May 1997 07:41:05 -0500 (CDT) Mike Walker
<mwalker@interlog.com> writes:
>Hi All
>
>For all those people who have their WinAPRS crashing, I'd like to know
>how
>many are running screen savers?
>
>I'm about 3 versions behind the current, but it has been running for 3
>weeks now here in Toronto on VHF and HF under windows 95.
>
>I found that when I had a screen saver running, it did crash.  When I
>turned off the screen saver, the problem went away.
>
>Comments?
>
>Mike Walker VA3MW
>Corbeil Contest Club
>
>

## 859. Re: [APRSSIG:12976] Unzip problems with 2.0.1

From: "David K. Shultz" <dshultz@epix.net>
Date: Mon, 26 May 1997 10:21:27 -0400

To: aprssig@tapr.org
Message-ID: <33899C67.59F1@epix.net>
Rendered body type: text/plain

I unzipped 2.0.1 directly from the hard drive using WinZip and I had no
problems, it ran fine. I then unzipped it from a disk using pkunzip -d
and WINAPRS.EXE had errors and when it ran it told me that winaprs.exe
was not a valid win32 application. I unzipped it using pkunzip -d from
the hard drive and I had no problems. So the only time I had a problem
is when I used the disk drive. Maybe mine needs cleaned.

Dave Shultz - n3nxc

Dave Kaplan wrote:
>
> Is anyone else having a problem unzipping WAPRS 2.0.1?  I have downloaded
> the file three time (full version, not the upgrade) and used the PKUNZIP -d
> WAPRS201 command.  All the files unzip and I get an error message saying
> there are errors in the file.  WAPRS starts up OK, and the version shows
> 2.0.1, but everything west of Colorado/Texas is missing (map wise)
>
> Anyone else having this problem?

## 860. Re: [APRSSIG:12974] WinAPRS Crashing

From: hasan schiers <schiers@ames.net>
Date: Mon, 26 May 1997 09:24:46 -0500
To: mwalker@interlog.com, aprssig@tapr.org
Message-ID: <3.0.32.19970526092444.006fec04@pop3.ames.net>
Rendered body type: text/plain

At 07:43 AM 5/26/97 -0500, Mike Walker wrote:
>Hi All
>
>For all those people who have their WinAPRS crashing, I'd like to know how
>many are running screen savers?
>
>I'm about 3 versions behind the current, but it has been running for 3
>weeks now here in Toronto on VHF and HF under windows 95.
>
>I found that when I had a screen saver running, it did crash.  When I
>turned off the screen saver, the problem went away.
>
>Comments?
>
>Mike Walker VA3MW
>Corbeil Contest Club
>

I have had regular crashes for many versions. Too early to tell on the one
released last night. I do run the basic screen saver: blank the screen after
10 min. I have never had a crash directly associated with the screen saver,
i.e., had a crash going in or coming out of a screen save. My crashes
typically
have happened after running for more than 24 hours, and then opening and
closing
a bunch of windows, one at a time, not a ton of open windows. Bang: unhandled
error exception.

I am running Win95/service pak 1, P133, 64 mb ram. Now using ver 2.0.1 as
of last
night, no crashes yet.

I do notice that as a wx station, my Barometric pressure no longer shows up
in the
Weather List in this version, while it worked in the last one. Pressure
shows up
in the Local Wx Display and in the 24 hour display, but it does not show up in
Wx List, while other stations' pressure does show up in the Wx list. 73

--------------------
hasan schiers, N0AN

schiers@ames.net

## 861. EXPERIMENT

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 26 May 1997 10:27:41 -0400
To: aprssig@tapr.org
Cc: ksproul@hardees.rutgers.edu, sproul@ap.org
Message-ID: <19970526.102742.10526.1.KD4EMI@juno.com>
Rendered body type: text/plain

Try this if you use win 2.0 or later
If your using a kam (or other tnc for that matter)

Set your posit report rate to 1 minute
reboot the program

wait 2 minutes, after the 1st xmits it doesnt xmit any more.
I had my posit on every 45 min. Woke up this morning and my station is
off the map.
The alternate paths doesnt work, and I also removed the screen saver and
that
didnt help . If I manually send my position it works.
This occurred in win 2.0 also. Version 145 was ok.

Getting dos aprs and gonna try to run it in win 95.
Im going to miss those neat maps and windows !
Mike KD4EMI@JUNO.COM

## 862. (no subject)

From: hasan schiers <schiers@ames.net>
Date: Mon, 26 May 1997 09:31:57 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970526093155.006ffc80@pop3.ames.net>
Rendered body type: text/plain

Hmmm...for some reason out of the blue, my pressure showed up, where
it had been missing all night. Very strange. Interestingly, it shows
no change...aha...I just did a transmission and it went back to
zero. This was a bug that Keith had fixed ...apparently it got
unfixed in 2.0.1.

------------------
hasan schiers, N0AN

schiers@ames.net

## 863. Re: [APRSSIG:12984] Re: WinAPRS Crashing

From: "David A. Cooley" <cooldave@ipass.net>
Date: Mon, 26 May 1997 10:51:33 -0400
To: kd4emi@juno.com, aprssig@tapr.org
Message-ID: <3.0.1.32.19970526105133.0069fa78@mail.ipass.net>
Rendered body type: text/plain

At 09:25 AM 5/26/97 -0500, Michael A. Kantor wrote:
>
>PS Version 2.01 still only xmits once then not again .....
>

Mike,
I'm using an AEA pk-90 and don't have the transmit once/stop xmitting problem.
Is this only with the pico?

Later,
DAve

==========================================================================
David Cooley N5XMT                  Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net    And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
==========================================================================

## 864. Re: [APRSSIG:12986] Re: WinAPRS Crashing

From: rbost@itexas.net (Roy Bost)
Date: Mon, 26 May 1997 10:35:04 -0500
To: <schiers@ames.net>, <aprssig@tapr.org>
Message-ID: <19970526153610295.AAA78@rbost.itexas.net>
Rendered body type: text/plain

I have no problems with the barometric pressure showing up with 2.0.1.

I'm using a P100, 48 meg ram, Win95 with the service pack, and now with no
screen saver (I too used a blank screen saver).  My crashes always come on

menu selection with the mouse.

Roy W Bost, N5TAM
32 25'25"N 097 48' 59"W
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 865. TX FAILURE

From: David Dobbins <ddobbins@localaccess.com>
Date: Mon, 26 May 97 08:40:35 +0100
To: <aprssig@tapr.org>
Message-ID: <15372024135126@Localaccess.com>
Rendered body type: text/plain

Hey SIG. I've seen a couple messages related to TNC TX failure. I've had similar probs with my setup in car, using KPC-3 and HTX-202. Turns out the TNC was trying to TX, I watched the light come on, but didn't hear the inline amp kick in, so associated the trouble with the HTX-202. It only does this now and then. To fix this dastardly recurring problem, I look down, seeing the radio is only inches from my right foot next to the gas pedal, and kick it! Suddenly the radio starts working again. This isn't rocket science, is it?

Yesterday I was plagued with an unrelated problem. While out tracking another county road for my local map I noticed APRS DOS would lock up just after receiving the GLL line of data from the Garmin 45XL. It hasn't done this before. I rebooted several times and the lockup repeated itself. The position updates stopped after the GLL sentence came through. It would gather a few sentences prior to that (RMC OK). Hmmmmmmm.

It's a beautiful sunny day here in sw Washington, so I'm gonna do what I used to do back in Hawaii, and head for the beach. Y'all enjoy your Memorial Day weekend. Aloha, Dave/WH6YC.

David S. Dobbins

## 866. Re: [APRSSIG:12984] Re: WinAPRS Crashing

From: rbost@itexas.net (Roy Bost)
Date: Mon, 26 May 1997 10:42:45 -0500
To: <kd4emi@juno.com>, <aprssig@tapr.org>
Message-ID: <19970526154350988.AAA147@rbost.itexas.net>
Rendered body type: text/plain

I am using a KPC_3 and have not noticed the transmit once problem.  But I do admit that I have the posit beacon set for 60 min and Wx report rate set to 15 min so my station xmitts allot (with diging added in).  Using WinAPRS 2.0.1

Roy W Bost, N5TAM
32 25'25"N 097 48' 59"W
Granbury, Tx. 76048
e-mail: rbost@itexas.net
This message transmitted on 100% recycled electrons

## 867. Re: CTEXT

From: joefoor@digitalexp.com (Foor, Joe)
Date: Mon, 26 May 1997 10:47:15 -0500
To: aprssig@tapr.org
Message-ID: <3389B083.1930@digitalexp.com>
Rendered body type: text/plain

gustavoc@pinos.com wrote:
>
> Hi!
> Can I put on my ctext the gps info. I using a picopacket.
>
> TIA
>
> Gustavo.

That depends on just what you mean by "GPS info".

CText has to be entered through the command line mode, so any line of text can be put in it, but it won't accept the GPS sentence automatically, from a GPS receiver.

If you are talking about some information about your GPS equipment, that

you want people to see. whenever they try to connect to your station,
then the answer is yes.

If you are talking about using it for your GPS data sentence, which is
constantly changing because you are moving and the GPS receiver is
sending updated data to your TNC, then the answer is no.

On the other hand, if your station is stationary and you just want to
put your position in the CText for people to see when they connect to
your TNC, that will work too.

regards,
Joe KF4DYS  (I just do it all for fun now)
---
Miniature Repair Technician(retired), Electronics Instructor(retired),
Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired),
Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired),
Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 868. Re: [APRSSIG:12973] APRS TX Failure

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Mon, 26 May 1997 11:35:49 -0500
To: aprssig@tapr.org
Message-ID: <3389BBE5.574C@kcaprs.org>
Rendered body type: text/plain

Mr. Nolle is very quick to blame the software as the culprit of his
problems.  Unfortunately, the software is NOT to blame.  I have three
different computers all running DOS APRS here.  I have never experienced
the problem of things simply stopping transmitting.  Most likely cause
of the problem is using standard serial cables, I'd suspect.

In the docs, it clearly states use only pins 2, 3 and 7.  I'd recommend
trying THIS arrangement before blaming the software.

Personal comment:  If this is indeed a program glitch, then it needs to
be researched and documented back to the program writers rather than
just complaining about it on the sig.  Give specific circumstances that
cause the lock-up and help solve the problem.  Don't just whine about
it.

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

## 869. Win 2.01 fixes

From: kd4emi@juno.com (Michael A. Kantor)
Date: Mon, 26 May 1997 15:21:22 -0400
To: APRSSIG@tapr.org, ksproul@hardees.rutgers.edu
Message-ID: <19970526.152123.9262.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ok, spoke with Keith on Phone and worked out all of the bugs with the
KAM / Crash / features problem.

Seems to be working fine now, removed screen saver and changed tnc
settings
to get things working again.

Just wanted to publicly thank him for his time.

Part of the problem was not understanding some of the docs which he
explained to me. I basically use all of the features  at the same time,
distance warning, dual porting, alternate unproto paths.
I was not setting the tnc in the correct order of features etc.

So far so good and thanks again Keith
Mike KD4EMI@JUNO.COM

## 870. Re: [APRSSIG:12980] WIDE,WIDE,WIDE,WIDE... NOW!

From: Dave VanHorn <dvanhorn@stonewest.com>
Date: Mon, 26 May 1997 14:04:24 -0500
To: bruninga@nadn.navy.mil

Cc: aprssig@tapr.org
Message-ID: <3389DEB8.491C@stonewest.com>
Rendered body type: text/plain

> Since the PacComm ROMS also support up to FOUR ALIASES, make one of the
> aliases be TRACE.
>
> Now then, immdeiately, any APRS packet sent to TRACE,TRACE,TRACE,TRACE
> will go out 4 hops in all directions WITH callsign substitution at those
> DIGIS that are TRACE capable and WITHOUT dupes... AND without causing
> interference where old WIDE DIGIS exist!

But... If there is a conventional digi in the chain, then you stop.
If you are mobile, you will either get out everywhere, somewhere,
or nowhere, depending on the number of PacComm wides around you,
with the new roms installed. If you aren't direct to a PacComm, then
you go nowhere..

The KPC-3 can output four different strings on four paths, so you
could output the conventional relay,wide... on one, and Trace...
on the other, but then you have to output twice as many packets,
and if the TRACE digis are there, they will take your relay,wide..
packets as well.... Seems like a non-optimal solution.

It will be glorious when all digis have the callsign replace function.
Then we really don't need to differentiate between relay and wide
either. Just decide how far you want to spread! Callsign replace
is very obviously the right answer, and should be implemented
wherever possible. If the local wide hasn't got the cash, then
pass the hat!

## 871. Re: [APRSSIG:12976] Unzip problems with 2.0.1

From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Mon, 26 May 1997 15:05:28 -0500
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526150528.006aad50@m1.sprynet.com>
Rendered body type: text/plain

I can confirm this.  I downloaded and trided 2.0.1 from Rutgers three
times, all with errors.  I downloaded 2.0.1 from TAPR and it unzipped
properly the first time.

Dave

>At 10:43 AM 5/26/97 -0400, you wrote:
>Hi Dave,
>
>     I had simular problems with the file that I downloaded from the
>Rutgers site. I went back in and took it from the TAPR site and that
>unzipped just fine. However, both locations show the file to be
>1,311,748 in length and when I bring them down they end up at 1,282
>KB.
>
>     I have tried the update and seems to work. Not sure why the
>difference in size of the file and it has me a tad worried. Hi..
>
>> Date: Monday, May 26, 1997 9:21 AM
>>
>> Is anyone else having a problem unzipping WAPRS 2.0.1?  I have
>downloaded
>> the file three time (full version, not the upgrade) and used the
>PKUNZIP -d
>> WAPRS201 command.  All the files unzip and I get an error message
>saying
>> there are errors in the file.  WAPRS starts up OK, and the version
>shows
>> 2.0.1, but everything west of Colorado/Texas is missing (map wise)
>>
>>
>> Anyone else having this problem?
>>
>

## 872. Re: [APRSSIG:12994] Re: APRS TX Failure

From: William Nolle <wa8inz@mindspring.com>
Date: Mon, 26 May 1997 15:14:54 -0500
To: aprssig@tapr.org
Message-ID: <3389EF3E.5107@mindspring.com>

Rendered body type: text/plain

Jim Duncan, KU0G wrote:
>
> Personal comment:  If this is indeed a program glitch, then it needs to
> be researched and documented back to the program writers rather than
> just complaining about it on the sig.  Give specific circumstances that
> cause the lock-up and help solve the problem.  Don't just whine about
> it.
>
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group
> Rogue Squadron Storm Chasers
> EMail:  ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
> BorgNet: 1st of 10

O boy here we go again. But Jim it's not a program glitch. Serial cables
sure, i have been using the same once for years and never had any
problems. And it's you ONLY that's saying i'm complaining, others are
having the same problem. But of course only YOU realy knows the problem.

Jim SUGGESTION get of off my back, i don't need your advice everytime i
post a message. I'm sure the authors can speek for themselves (In fact
they have).

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 873. APRS used for Red Cross Drill

From: David McCarthy <davidmc@goodnet.com>
Date: Mon, 26 May 1997 15:12:24 -0700
To: aprssig <aprssig@tapr.org>, ARC Comm <arccomm@phx-az.com>,
        MARCA <marca@willow.sps.mot.com>
Message-ID: <338A0AB2.5C71@goodnet.com>
Rendered body type: text/plain

In the recent Palo Verde Nuclear Power Plant Drill here in Phoenix, we
used a tracker in one of the Red Cross vehicles to demonstate the
tactical abilities of APRS.  Back at the Red Cross EOC, we displayed the
APRS map on the wall using a Proxima overhead projector system.

This genrated a lot of interest from the Director and other personnel in
the EOC.  The map displayed the ARC EOC, State EOC, and the Shelter.  We
then were able to watch the Oberver Vehicle track around as it visited
the different locations.  This was a great demo.  The goal is to put
trackers in as many vehicles as we can next time.

Also, recent presentations and demos for the local Skywarn and Sheriff's
Communication Posse have generated a lot of interest also.  The Motorola
club is working to put up a new WIDE digi on White Tanks Mountain range
just west of town.  This is about 3000 ft. above the valley floor and
should give long reaching performance.

--
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
ARRL - ARES - Skywarn - APRS - ARC Disaster Communications
email: davidmc@goodnet.com   packet: kc7ayx@kc7y.az.usa.noam
Visit the family homepage: http://www.goodnet.com/~davidmc
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/

## 874. Tripmate in Canada ?

From: David Dunster <riders@sk.sympatico.ca>
Date: Mon, 26 May 1997 16:18:13 -0600
To: aprssig@tapr.org
Message-ID: <338A0C25.323B@sk.sympatico.ca>
Rendered body type: text/plain

Does anyone in Canada, using APRS, use the Tripmate GPS unit??  If so
where the heck do you get one? There is nothing to be had here in
Regina so I must search out and seek one somewhere. Also looking for
an Eagle View GPS with Power/Data cable.

I've tried Delmore and Eagle for a list of Canadian dealers and have

heard nothing from either.

Much appreciate the help.

I'd order from our mates in the States but customs is such a hassle
when getting goods from the south.

David Dunster, VE5DGD
Regina SK Canada

## 875. Winaprs 2.0.1

From: David Dunster <riders@sk.sympatico.ca>
Date: Mon, 26 May 1997 16:22:47 -0600
To: aprssig@tapr.org
Message-ID: <338A0D37.579E@sk.sympatico.ca>
Rendered body type: text/plain

Okay, I've got the latest. And it had a unzip problem but I've got it
fixed.

There seems to be something a skew with the "Station" setup. When I
attempt to key in my Lat/Long, Winaprs reports the following:

        My coordinates are entered as:

                         50 27 45N
                        104 37 56W

        but Winaprs 2.0.1 show me at:

                         50 27 75W
                        104 37 56N

        in the "Station" setup window.

What gives ??

David Dunster, VE5DGD

## 876. Re: [APRSSIG:13000] Tripmate in Canada ?

From: "David A. Cooley" <cooldave@ipass.net>
Date: Mon, 26 May 1997 19:00:02 -0400
To: riders@sk.sympatico.ca, aprssig@tapr.org
Message-ID: <3.0.1.32.19970526190002.006a15cc@mail.ipass.net>
Rendered body type: text/plain

At 05:22 PM 5/26/97 -0500, David Dunster wrote:

>Does anyone in Canada, using APRS, use the Tripmate GPS unit??  If so
>where the heck do you get one? There is nothing to be had here in
>Regina so I must search out and seek one somewhere. Also looking for
>an Eagle View GPS with Power/Data cable.

David,
Egghead software sells it... It is bundled with "Street Atlas USA"
software... There may be a canadian version available.  It's manufactured
by Delorme... they are also on the web at http://www.delorme.com

Take care,
Dave

==========================================================================
David Cooley N5XMT                  Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM
Internet: cooldave@ipass.net    And Web: http://www.ipass.net/~cooldave/
Sponges grow in the ocean... Wonder how deep it would be if they didn't!
==========================================================================

## 877. Help for a new APRSW user

From: Dave Sloan <n0eop@pipeline.com>
Date: Mon, 26 May 1997 17:01:04 -0600
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970526170104.007669dc@pop.pipeline.com>
Rendered body type: text/plain

A new user in the area is using APRSW and is not being showen on anyones
maps. Here is what is being sent for a position report:
N0EOP>APRSW, RELAY, WIDE/V:=3850.51N/10439W.......

Callsign and grid coordinates changed to protect the innocent.

The only thing I see different is the '=' prior to the coordinates. Since I am running APRS DOS I am not able to help in getting rid of this and having the familiar @ date and time system started instead of the = sign. Any ideas or answers will be greatly appreciated, and maybe even help to save a new APRS user.

Thanks and 73,
Dave

## 878. Tripmate and Stand Alone Operation

From: "Thomas O. Klomps" <lcdrnscc@mindspring.com>
Date: Mon, 26 May 1997 19:51:04 -0400
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970526235104.0072049c@pop.mindspring.com>
Rendered body type: text/plain

I have a Tripmate with the optional power cables operating with Street Atlas 4.0 on my laptop.

Has anyone modified this configeration so the Tripmate GPS can be used as described above and also feed a stand alone APRS configeration?

Tom WA1KMS

## 879. Re: [APRSSIG:13003] Help for a new APRSW user

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Mon, 26 May 1997 21:55:30 -0400 (EDT)
To: Dave Sloan <n0eop@pipeline.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970526215246.27693C-100000@arctic>
Rendered body type: text/plain

On Mon, 26 May 1997, Dave Sloan wrote:

> A new user in the area is using WinAPRS and is not showing on anyones
> maps. Here is what is being sent for a position report:
> N0EOP>APRSW, RELAY, WIDE/V:=3850.51N/10439W.......

APRSdos REPLY/COMMENT: This is a new "timeless" position report. Recent versions of APRSdos will plot this new format. But I decided not to transmit this new format for another several months. So your APRSdos users need to upgrade...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 880. Re: [APRSSIG:13003] Help for a new APRSW user

From: Jeff Brenton <jeffb@stans.com>
Date: Mon, 26 May 1997 21:17:17 -0500
To: n0eop@pipeline.com
Cc: aprssig <aprssig@tapr.org>
Message-ID: <338A442D.67E1@stans.com>
Rendered body type: text/plain

The equals sign is a new lead-in character, introduced a version or two back on both Win and Mac APRS. Don't know how DOS APRS handles it, because I haven't run it much since WinAPRS 2.0 came out... although I do remember that all the Windows-based stations did appear on the map.

Dave Sloan wrote:
>
> A new user in the area is using APRSW and is not being showen on anyones
> maps. Here is what is being sent for a position report:
> N0EOP>APRSW, RELAY, WIDE/V:=3850.51N/10439W.......

## 881. TripMates Price

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Mon, 26 May 1997 22:10:04 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970527041004.006a9ec4@quake.xnet.com>
Rendered body type: text/plain

Hello,

I have been talked into a Tripmate GPS for a second standalone tracker, I went looking today at several stores and non of them had it, and I am beginning what is a good price and maybe mail order it.  I could have sworn I scene them for around $129+tax at some local stores, but now that I am interested, I do not see them.  What is a good price, what is a bad price for this unit with Street Atlas 4, I guess they come bundled, can you buy just the GPS itself?  Does it come with a serial cable on the end for laptops?  I apprciate all who told me there great stories about it.

Ron N9QGS
weather@xnet.com

## 882. x-APRS

From: joefoor@digitalexp.com (Foor, Joe)
Date: Tue, 27 May 1997 06:30:24 -0500
To: aprssig@tapr.org
Message-ID: <338AC5D0.36CA@digitalexp.com>
Rendered body type: text/plain

Last year, it was announced that x-APRS would be unveiled at Dayton, this year. Was it there?

regards,
Joe KF4DYS  (I just do it all for fun now)
---
Miniature Repair Technician(retired), Electronics Instructor(retired), Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired), Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired), Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 883. Re: [APRSSIG:13008] x-APRS

From: Mark Sproul <sproul@ap.org>
Date: Tue, 27 May 1997 09:47:07 -0400
To: joefoor@digitalexp.com
Cc: aprssig@tapr.org
Message-ID: <v03010d00afb095d59037@[165.1.27.20]>
Rendered body type: text/plain

>Last year, it was announced that x-APRS would be unveiled at Dayton,
>this year. Was it there?
>

No, it was annoucned that we hoped to have it done by this year.  Due to the continuous presures to add features to WinAPRS nothing further has been done to X-APRS.  We are still going to do it and once it is released it should be exactly even with MacAPRS and WinAPRS feature wise.

Mark

_____
Mark Sproul                     |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org                   |Work: 609-860-7120
North Brunswick, NJ             |Fax:  609-860-7129
http://msproul.rutgers.edu/
_____

## 884. Coordinate difference DOS vs. Mac/WinAPRS why?

From: Richard Parry <rparry@qualcomm.com>
Date: Tue, 27 May 1997 08:30:06 -0700
To: aprssig@tapr.org
Message-ID: <3.0.32.19970527082959.0093b1c0@nala.qualcomm.com>
Rendered body type: text/plain

I have been using MacAPRS and WinAPRS 2+ years but only recently questioned why a location such as 5027.45N is converted to 5027.75N (45/60 = .75).  I decided there is some reason for this and the Sproul brothers knew what they were doing (I am still sure that is the case BTW).

   However, someone here on the SIG called this a bug and I told him that it was by design, it was not an error.  He responded that DOS APRS keeps 5027.45N as 5027.45 while WinAPRS/MacAPRS converts it to 5027.75.

   The authors are cleaver and I am sure there is an answer, right?

   In summary

1) Is there a difference between DOS & WinAPRS (DOS=45" vs. WinAPRS=.75)?
2) Why is seconds converted to a decimal (e.g., 45" = .75)?

thanks in advance,

---
Richard Parry, P.E., W9IF - Qualcomm, Inc. Globalstar/Gateway RLGTS
Internet --> <http://people.qualcomm.com/rparry>
AX.25 --> W9IF@K6JCC.#SOCAL.CA.USA.NOAM

## 885. RE: Coordinate diffence DOS vs Mac/WinAPRS

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Tue, 27 May 97 12:34:10 EDT
To: rparry@qualcomm.com
Cc: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.864750850.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

The original version of DosAPRS used Degrees-Minutes and DECIMAL MINUTES. When we came out with MacAPRS (and later WinAPRS) we had to work with this.. The reason(s) as to why this was chosen for the ORIGINAL APRS is only known to Bob, but, I agree with it because:

0-99 is much more accurate than 0-59.. Using the same amount of characters..

Therefore, the DECIMAL MINUTES is MORE accurate then SECONDS...

In the Mac and WinAPRS entry page, it is designed so that you enter DEGREES, Minutes and SECONDS because in the early days, the DECIMAL stuff caused a lot of confusion, so I did the entry screen to make people's lives easier..

I suppose know, I should make it so that you can enter either one or the other, but the problem with that is the dialog boxes are large and complex enough as it is..

Keith

Keith Sproul — Ham Radio: WU2Z
Student Housing Network Coordinator — ksproul@noc.rutgers.edu
Rutgers University Computing Services — 908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/ — 908 821-4828 Home

## 886. Why I'm upgrading my dosAPRS...

From: Tom Kinahan <kinahan@cassatt.Mass-USR.COM>
Date: Tue, 27 May 1997 13:01:11 -0400
To: aprssig@tapr.org, bos-aprs@krl.com, mic-e@tapr.org, eac@shore.net
Message-ID: <3.0.32.19970527130109.00a28a00@pop.mass-usr.com>
Rendered body type: text/plain

Recently, I've decided to upgrade my dosAPRS from 784 to something more recent like 782 because of the following:

1) Eric, WB1HBU-9 with his new (production) MIC-E was seen by my station over the weekend, but not being plotted. However my MIC-E that I have as a member of the beta test group (N1CPE-9) is received and plotted. I know there were some tweeks to the compressed MIC-E strings near the end of the beta cycle, but I thought they were only supposed to support the telemetry. It looks like dosAPRS is confused about the header. Is anybody else seeing this?

2) My dosAPRS 784 is now seeing stations running winAPRS2.00 on the air, and in each case, these stations send an = as the first character of the posit string. I think I remember some discussion of this new format, but don't remember it's significance. In either case, my current version of dosAPRS doesn't accept these posit strings and doesn't plot them.

Does anybody else run this version of dosAPRS anymore and/or see these results with production MIC-E's and winAPRS 2.00 + stations?

A question for the fathers of APRS, will simply upgrading help me see Eric's new production MIC-E and the winAPRS 2.0+ stations?

Thanks!

- Tom Kinahan N1CPE


---
Tom Kinahan  Phone:  508-871-0305
US Robotics  Fax:  508-870-1689
Massachusetts R&D Lab  Email:  kinahan@mass-usr.com
4 Technology Drive  Amateur Radio:  N1CPE
Westboro, Ma. 01581
Homepage: http://homepage.usr.com/t/tomkn1cpe


## 887. RE: Coordinate diffence DOS vs Mac/WinAPRS

From: "David Dunster, Webmaster" <riders@sk.sympatico.ca>
Date: Tue, 27 May 1997 11:56:30 -0600
To: aprssig@tapr.org
Message-ID: <338B204D.1936@sk.sympatico.ca>
Rendered body type: text/plain

Keith Sproul said:

> The original version of DosAPRS used Degrees-Minutes and DECIMAL
> MINUTES. When we came out with MacAPRS (and later WinAPRS) we had
> to work with this.. The reason(s) as to why this was chosen for the
> ORIGINAL APRS is only known to Bob, but, I agree with it because:
>
>   0-99 is much more accurate than 0-59.. Using the same amount of
>   characters..
>
>       Therefore, the DECIMAL MINUTES is MORE accurate
>       then SECONDS...

  So then, when I enter the GPS coordinates of "50 27.45" I must
  enter them as:  50 27 27 in WinAPRS but not APRSdos. Correct ?

  If it is documented, I missed it.

  Dave Dunster, VE5DGD
  (the guy who started this !)

--


        Saskatchewan Roughrider Football Club
        http://www.srfc.sk.ca
        riders@sk.sympatico.ca


## 888. Tripmate search

From: "Ron Malinowski, Jr." <weather@xnet.com>
Date: Tue, 27 May 1997 13:12:34 -0600
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970527191234.00697ce4@quake.xnet.com>
Rendered body type: text/plain

Hi,

I went searching high and low for a decent deal or a place that sells the
Tripmate, the delorme page says it list for $149, CompUSA had it for $159,
Rand McNally had it for $175, and Elek-Tek had it for $169, Best Buy, Office
Max, and Office Depot do not carry it.  I am sure it is much cheaper then
what I am finding it for any help would be appreciated.
Ron
weather@xnet.com

## 889. RE: [APRSSIG:12968] Pico Packet Xmit Failure w/ APRSdos

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Tue, 27 May 1997 14:45:05 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>,
        "'rgmahon@worldnet.att.net'"
 <rgmahon@worldnet.att.net>
Message-ID: <01BC6AAC.921CA040@gwyn>
Rendered body type: text/plain

A customer came into our Dayton booth on Sunday with a new PicoPacket
purchased at Dayton and this same problem. He and I went over to the APRS
booth where Bob B. hooked up the unit and confirmed the nature of the
problem. What is happening is that when APRS wants to send a status, it
puts the TNC into command mode, gives some commands, then puts it back in
conv mode. Somewhere along the line things get out of sync, and the TNC
stays in command mode and therefore won't transmit.

Bob said he is going to take a look at APRS and see if that is the cause of the problem, or if it is in the PicoPacket. Because the details of the problem are still obscure, I'm watching for reports that it happens/doesn't happen with other TNCs or other versions of our code etc. If we can pin it down to certain models and code versions it will be easier to find and fix. Unfortunately the mail so far is about split between half the folk saying it happens for a long time now or it happens on various TNCs and the other half saying they have never seen it. I'll keep reading the mail.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

---
From: Robert Mahoney[SMTP:rgmahon@worldnet.att.net]
Sent: Sunday, May 25, 1997 6:34 PM
To: aprssig@tapr.org
Subject: [APRSSIG:12968] Pico Packet Xmit Failure w/ APRSdos

To All,

I finally got around to wiring up my new (Hamvention) Pico Packet TNC today and discovered a problem with it and APRS DOS. Whenever a status or posit are sent either by the timer or because of a received query the first packet
will xmit but the second one will not. I've monitored this from the V screen and when the second packet tries to launch the word "command" appears
in the screen. The TNC xmit LED does not illuminate even though the computer sends the familiar xmit beep. The tnc will not xmit anything else (i.e. queries, posit's, status, etc) until an O C T is issued, the cmd prompt appears, then I can hit escape and all is well until the next time. I even tried a C B V but it would not clear the problem.

I've been in touch with N8VTW this evening and he is experiencing the same problem with an identical unit. We both have the 1 May firmware. I am running 792. I don't know what Jerry is running.

Does anyone have a fix?

Bob Mahoney, WB8CXN
Dayton OH

## 890. Re: [APRSSIG:13014] Tripmate search

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 27 May 1997 14:06:00 -0500
To: aprssig@tapr.org
Message-ID: <338B3098.5E84@mindspring.com>
Rendered body type: text/plain

Ron Malinowski, Jr. wrote:
>
> Hi,
>
> I went searching high and low for a decent deal or a place that sells the
> Tripmate, the delorme page says it list for $149, CompUSA had it for $159,
> Rand McNally had it for $175, and Elek-Tek had it for $169, Best Buy, Office
> Max, and Office Depot do not carry it. I am sure it is much cheaper then
> what I am finding it for any help would be appreciated.
> Ron
> weather@xnet.com

Well Ron the Delorme price of $149 is about as good as your going to find unless you already have a Delorme product, then you can tell them you want an upgrade. The Street Atlas 4.0 with the Tripmate as an upgrade is $125. Now they don't seem to be to concerned about keeping track because i bought 2 about a month apart. This time they even included the $39 power supply kit. Try calling 1-800-569-6344 and try a priority code BA184 (Never can tell, worth a try)

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 891. APRS on Laptop

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 27 May 1997 14:13:29 -0500
To: aprssig@tapr.org
Message-ID: <338B3259.2CE2@mindspring.com>
Rendered body type: text/plain

Is anyone running DosAPRS on a Compaq LTE Elite 4/75cx TFT Color display
without getting the scrunched APRS display.

My new Acer-Light 133Mhz pentium doen't like APRS and will not display
it full screen. So i would like to get a used one that does but want to
know ahead of time Hi.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 892. Re: [APRSSIG:13011] RE: Coordinate diffence DOS vs Mac/WinAPRS

From: rwf <rwf@mindspring.com>
Date: Tue, 27 May 1997 15:14:02 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970527151237.00b6b26c@ccegate.cokecce.com>
Rendered body type: text/plain

How about just migrating to whatever GPSs put out in their native, NMEA
form- since we seem to be focusing more and more on GPS and decimal is more
accurate.

Ralph

At 11:36 AM 5/27/97 -0500, you wrote:
>
>
>I suppose know, I should make it so that you can enter either one or the
>other, but the problem with that is the dialog boxes are large and complex
>enough as it is..
>

## 893. Re: [APRSSIG:13015] RE: Pico Packet Xmit Failure w/ APRSdos

From: William Nolle <wa8inz@mindspring.com>
Date: Tue, 27 May 1997 14:34:53 -0500
To: aprssig@tapr.org
Message-ID: <338B375D.30DE@mindspring.com>
Rendered body type: text/plain

Gwyn Reedy wrote:
>
> A customer came into our Dayton booth on Sunday with a new PicoPacket
> purchased at Dayton and this same problem. He and I went over to the APRS
> booth where Bob B. hooked up the unit and confirmed the nature of the
> problem. What is happening is that when APRS wants to send a status, it
> puts the TNC into command mode, gives some commands, then puts it back in
> conv mode. Somewhere along the line things get out of sync, and the TNC
> stays in command mode and therefore won't transmit.
>
> Bob said he is going to take a look at APRS and see if that is the cause of
> the problem, or if it is in the PicoPacket. Because the details of the
> problem are still obscure, I'm watching for reports that it happens/doesn't
> happen with other TNCs or other versions of our code etc. If we can pin it
> down to certain models and code versions it will be easier to find and fix.
> Unfortunately the mail so far is about split between half the folk saying
> it happens for a long time now or it happens on various TNCs and the other
> half saying they have never seen it. I'll keep reading the mail.
>
> Gwyn Reedy, W1BEL
> PacComm Packet Radio Systems
>
> gwyn@paccomm.com
> http://www.paccomm.com
>
> ----------

This is what i'm trying to post on the sig but got flamed for telling

everyone that i have had this problem with the last several version 2 or 3 and this is with a KPC-3 and also a KPC-3+ ... Sometimes it takes several hours but looks like it happens more then not after keyboarding for a while. This has happened to me 5 or 6 times at least, personally (And you can flame me again JIM) but i think it's software related not TNC because even a reset on the TNC doesn't bring it back. Only after an APRS restart will it TX again. Take it for what it's worth Hi.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 894. APRS Position tracking via PACSAT

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 27 May 1997 16:38:23 -0400 (EDT)
To: aprssig@tapr.org
Cc: amsat-bb@amsat.org
Message-ID: <Pine.SOL.3.96.970527160235.7401A-100000@arctic>
Rendered body type: text/plain

THe TRAKNET article in this months AMSAT Journal pointed out that anyone with a 10 watt 2m FM Mobile rig and a $2 mod to any standard TAPR-2 compatible TNC could digipeat his mobile GPS POSITION and status via a PACSAT digipeater. We now have 4 stations gearing up to automate the downlink so that any successful positions that are digipeated are LINKED out onto the local VHF and HF APRS network and eventually into LIVE tracking WEB pages on the internet. (see below).

To automate the crosslink, I just posted a program called APRSLINK.EXE which will run on any old PC with 2 comm ports. One port is fully functional on your local APRS network using any TNC and radio. The other port has its RXD connected in parallel to monitor the packets coming from your PACSAT TNC. In this way, there is no modification to your nominal PACSAT OPERATIONS. But whenever APRSLINK sees a digipeated APRS position report, it grabs it and crosslinks it to the APRS network.

If you can participate in this experiment either as an automated LINK station or as a mobile, let me know... Current interested downlink stations are AA2BN, WB1HBU, KF7KN and K7RR.

See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 895. APRSLINK.zip

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 27 May 1997 16:44:11 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970527163827.7401B-100000@arctic>
Rendered body type: text/plain

APRSLINK.ZIP/EXE will link TWO TNC's together to post POSITS heard on one band to the other band. THese POSITS are transmitted as OBJECTS on the other band, because that is the only APRS format that allows one station (in this case the link station) to post information about another station without having to change the MYCALL in the TNC.

I posted a separate message about using APRSLINK for the PACSAT experiments, but this version should also work for crosslinking POSITS/OBJECTS betweeen any two TNC's on any bands.

If there is anyone that lives near the great 145.79/144.39 frequency gap between the US and CANADA or the 145.79/145.01 gap in California, please give this program a try. For terrestrial links, be sure that you are NOT in PACSAT mode, or most of the link will be biased in favor of packets heard on COM2. I think the program defaults to PACSAT ON. So turn it off and then you will probalby have to do an alt-S-MODES-LINK to get the link mode re-established.

This is only a preliminary quick fix APRSLINK. Play with it and lemme know what to do better...

It is posted on tapr.org in the tapr/SIG/aprssig/files/dosstuff/APRSdos directroy..

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 896. Re: [APRSSIG:13011] RE: Coordinate diffence DOS vs Mac/WinAPRS

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 27 May 1997 16:55:32 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970527165129.7401F-100000@arctic>
Rendered body type: text/plain

On Tue, 27 May 1997, Keith Sproul wrote:
> The original version of DosAPRS used Degrees-Minutes and DECIMAL MINUTES.
> When we came out with MacAPRS (and later WinAPRS) we had to work with this..
> The reason(s) as to why this was chosen for the ORIGINAL APRS is only known
> to Bob...

APRSdos REPLY/COMMENT:  Reasons are simple:
1)  It is the NMEA standard
2)  It gives greater precision for the same # of bytes (as keith noted)
3)  It is expandable to thousandths and tenthousandths
4)  It is approximately in decimal units of a nautical mile so it is easy
    to estimate distances

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 897. NEW PICO and APRSdos handshaking

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Tue, 27 May 1997 18:57:22 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970527185425.20702A-100000@arctic>
Rendered body type: text/plain

I just finished APRSd2.zip  It breaks out INITTAPR.TNC in to the following
files depending on the TNC you have:

INITAEA.TNC
INITKAN.TNC
INITPICO.TNC
INITTAPR.TNC

I also doubled the time delay between every TNC command.  Hopefully this
solves the problems people are having with the new Dayton Pico TNC.

THis is a heads up.  I will acutally be posting the file in about a half
hour from now.  Be sure to use PKUNZIP -d to get all the new INIT files in
the system directory...

See DAYTON97 HISTORY:
http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 898. Re: Why I'm upgrading my dosAPRS...

From: "Eric A. Cottrell" <eac@shore.net>
Date: Tue, 27 May 1997 19:34:04 -0400
To: Tom Kinahan <kinahan@cassatt.Mass-USR.COM>
Cc: aprssig@tapr.org, bos-aprs@krl.com, mic-e@tapr.org
Message-ID: <338B6F6C.6BC1@shore.net>
Rendered body type: text/plain

Tom Kinahan wrote:
>
>  Recently, I've decided to upgrade my dosAPRS from 784 to something more
> recent like 782 because of the following:
>
>  1) Eric, WB1HBU-9 with his new (production) MIC-E was seen by my station
> over the weekend, but not being plotted. However my MIC-E that I have as a
> member of the beta test group (N1CPE-9) is received and plotted. I know
> there were some tweeks to the compressed MIC-E strings near the end of the
> beta cycle, but I thought they were only supposed to support the telemetry.
> It looks like dosAPRS is confused about the header. Is anybody else seeing
> this?

I am running WinAPRS 2.0.0.  The first time I went to work I was able to
do

replay track and see my track.  Since then I cannot replay my track.
I can replay other gps stations track and it seems that it is decoding
properly.  I will test by setting the GPS to simulator mode.

I am getting the two color blinking of the power light that is suppose
to
indicate the box is getting a fix.

73 Eric eac@shore.net  WB1HBU

## 899. APRS & Sailboat..

From: pete ouellette <pho@crocker.com>
Date: Tue, 27 May 1997 21:45:55 -0500
To: aprssig@tapr.org
Message-ID: <199705272204.WAA09414@rmc1.crocker.com>
Rendered body type: text/plain

>The only thing you have to do
>is to puu gate,wide.
>
>And when are you sailing from Boston
>to Bermuda.
>
>De Ron VE2JOR 73's

  Thanks for the suggestions. Another question- We are using a KAM PLUS
& TS430S for a station. GPS is a GARMIN 12XL. I am used to using the GPGGA
sentence but was wondering if the GPRMC would be better. On my mobile
tracker, the 'GGA sentence does not give track & speed. I think the
'RMC would. Since  we would be sending only about once an hour or so,
(battery power constraints) I would like to use the dead reckoning feature
of APRS to estimate position if we miss some fixes. Should we send both?
Any thoughts?
De Peter N!AGV

## 900. RE: [APRSSIG:13009] Re: x-APRS

From: hwm@netcom.com
Date: Tue, 27 May 1997 19:34:19 -0700 (PDT)
To: sproul@ap.org
Cc: aprssig@tapr.org
Message-ID: <XFMail.970527193419.hwm@netcom.com>
Rendered body type: text/plain

Quick note to let you know there are others out here who would like to
mail you a check if we could run APRS in a microsoft free zone.

On 27-May-97 Mark Sproul wrote:
>>Last year, it was announced that x-APRS would be unveiled at Dayton,
>>this year. Was it there?
>>
>
>No, it was annoucned that we hoped to have it done by this year.  Due to
>the continuous presures to add features to WinAPRS nothing further has been
>done to X-APRS.  We are still going to do it and once it is released it
>should be exactly even with MacAPRS and WinAPRS feature wise.
>
>
>Mark
>
>_____________________________________________________________________
>Mark Sproul                     |Amateur Radio: KB2ICI
>Software Engineer @ Assoc Press  |
>sproul@ap.org                   |Work: 609-860-7120
>North Brunswick, NJ             |Fax:  609-860-7129
>http://msproul.rutgers.edu/
>_____________________________________________________________________
>
>
>


E-Mail: hwm@netcom.com
Date: 27-May-97
Time: 19:32:06   _____________________________XF-Mail

## 901. Re: [APRSSIG:13025] APRS & Sailboat..

From: David McCarthy <davidmc@goodnet.com>
Date: Tue, 27 May 1997 20:16:44 -0700

To: pho@crocker.com
Cc: aprssig@tapr.org
Message-ID: <338BA37C.9D1@goodnet.com>
Rendered body type: text/plain

pete ouellette wrote:
>
> I am used to using the GPGGA
> sentence but was wondering if the GPRMC would be better. On my mobile
> tracker, the 'GGA sentence does not give track & speed. I think the
> 'RMC would. Since  we would be sending only about once an hour or so,
> (battery power constraints) I would like to use the dead reckoning feature
> of APRS to estimate position if we miss some fixes. Should we send both?
> Any thoughts?
> De Peter N!AGV

I just switched to RMC.  I can't think of a reason to send GGA or both
unless you were an airplane.  Just clutters the frequency.

--
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
ARRL - ARES - Skywarn - APRS - ARC Disaster Communications
email: davidmc@goodnet.com   packet: kc7ayx@kc7y.az.usa.noam
Visit the family homepage: http://www.goodnet.com/~davidmc
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/

## 902. DosMAPS -> WinMAPS

From: David Dunster <riders@sk.sympatico.ca>
Date: Tue, 27 May 1997 21:45:09 -0600
To: aprssig@tapr.org
Message-ID: <338BAA45.7A9A@sk.sympatico.ca>
Rendered body type: text/plain

I have several DOS maps that are high detail for Regina City, right
down to the street.

I'd like to take all of these DOS maps and create a single WIN Map
for use with WinAPRS 2.0.1

Is there a utility out there to it?  If not what would one need to
do.

I have 24 maps in total.

Thanks in advance for any help.

David Dunster, VE5DGD

## 903. Re: [APRSSIG:13025] APRS & Sailboat..

From: Robert Winingham <kc5ejk@onramp.net>
Date: Wed, 28 May 1997 03:21:14 -0500
To: pho@crocker.com
Cc: aprssig@tapr.org
Message-ID: <v03102800afb17d073eff@[206.50.200.9]>
Rendered body type: text/plain

> I am used to using the GPGGA
>sentence but was wondering if the GPRMC would be better. On my mobile
>tracker, the 'GGA sentence does not give track & speed. I think the
>'RMC would. Since  we would be sending only about once an hour or so,
>(battery power constraints) I would like to use the dead reckoning feature
>of APRS to estimate position if we miss some fixes. Should we send both?
>Any thoughts?

99% of trackers use RMC as you get time,lon/lat,course,speed

Some trackers intermix  a GGA now and then if you need Alt.
-------
I was installing a computer WX system on a Oil rig some years ago and
forgot I was at sea and asked for the height above sea level to set
the Barometer.  The mate looked over the side and said
52.5 feet.. 54 feet ..48.5 feet.. 50 feet. Good thing they thought
computers were magic and I needed that degree of accuracy and
that it was the North Sea weather making my face red.
------
        RMC,225446,A,4916.45,N,12311.12,W,000.5,054.7,191194,020.3,E*68
           225446       Time of fix 22:54:46 UTC
           A            Navigation receiver warning A = OK, V = warning

```
4916.45,N    Latitude 49 deg. 16.45 min North
12311.12,W   Longitude 123 deg. 11.12 min West
000.5        Speed over ground, Knots
054.7        Course Made Good, True
191194       Date of fix  19 November 1994
020.3,E      Magnetic variation 20.3 deg East
*68          mandatory checksum
```

73

Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 904. Re: Map Server/San Diego Trip

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 28 May 1997 01:35:54 -0700
To: John W  Wilson <z004391b@bc.seflin.org>
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970528013550.0069ff2c@mailhost.primenet.com>
Rendered body type: text/plain

At 07:10 PM 5/25/97 -0400, John W  Wilson wrote:

>The Street Atlas program (that came with my little yellow GPS) will do
>that for you.  The program is available seperately.  If you have just a
>few, I will send you the lat/lon of your addresses.  They will be close,
>by the way, not 'dead on'.  73,
>

Actually there is a web site like I described.  I wanted to use it to navigate to my Brother's place in San Diego.  After I was pointed to it, I entered my brother's address, and it spit out a lat/lon.  I plugged this into my GPS and went roaring off to San Diego (really, it was the last thing I did before I went out the door).

Anyway, the Magellan XL and the ETAK/Geocode website were right on the mark.  As I pulled into my brother's alley and his truck came into sight the little piezo buzzer I have hooked to my Magellan's external alarm started to buzz!  Plus it helped me to navigate that last mile or two of San Diego Road maze to my brother's house.  I just love Garnet/Grand around Pac Beach...arrgh!

I hope the locals caught my autotracker.  I only ran it in and on my way out of town thought, as we used my brother's vehicle most of the time in town.

While in town I hit Gateway Electronics, which, IMHO, is one of the best surplus electronics stores to be found, and I managed to get out of there after only spending $80!  (My brother went and took a nap in his truck 'cause I can spend hours in the place...and I did).  It's a great place to find all those little pieces I need to complete my autotracker.

I also hit HRO San Diego (it's only a little way from Gateway).  And I picked up a Garmin 12XL while I was there.  (B-day present from my brother).  HRO there has a DOSAPRS demo station, and by the looks of it, there is some serious need of elmering in San Diego, judging by the pathways some people were using.  Too bad my laptop's battery died or I would done more APRS'ing in town.

Some APRS observations on my trip:  I could hear packets on 145.79 leaving (and coming in to) Phoenix on the south side of Gila Bend, but the packets were far too weak for a TNC to do anything with them. Get that digi on the White Tanks ASAP! Ditto coming into San Diego, about 80 miles out (on I-8) I could hear strong packets, but my 50 watt radio and Diamond NR-7700 could not digi through them until I got about 38 miles outside of San Diego.  I realize that this is a pretty nasty environment for RF as one wends his way through the mountains and canyons east of San Diego...

If I did not respond to anyone's personal messages, please don't feel snubbed, as I had over 180 messages to deal with on my return.

73,

Mark
KC7BXS

## 905. Error msg on tp 500 laptop

From: Jim Prentice WA2MZF Society of Wireless Pioneers
 <PRENTICE@scanva.canton.edu>
Date: Wed, 28 May 1997 08:32:03 -0500 (EST)
To: aprssig@tapr.org
Message-ID: <01IJEAG1NM82009XCB@scanva.canton.edu>
Rendered body type: text/plain

Greetings group.

 Just tried running 792 on ibm laptop tp-500   486 machine.

notsure on earlier vs if worked or not, just got lap top etc
and getting it set up for aprs.

this is dos of course. Registered ver natch.

when I fire up aprs i get the following:

out of memory err number 7

says to hit enter and I do and get:

err number 7

then we go into lock up of beeping.. control alt and delete only choice.

any ideas ? tks.

## 906. Linux & APRSdos

From: "Chris Dapples" <ccdapple@wtp.net>
Date: Wed, 28 May 1997 07:41:45 -0600
To: "APRSsig" <aprssig@tapr.org>
Message-ID: <9705281341.AA13644@wtpprod1.wtp.net>
Rendered body type: text/plain

Greetings All,

        Have any of you who are running LINUX suceeded
in getting APRSdos to run under DOSEMU??  I can get it
to run until it tries to access one of the serial ports
at which point it hangs.

Chris - KF7KN


+----------------------------+----------------------------+
| e-mail:  ccdapple@wtp.net  | Telephone:  (406) 446-1507 |
+              or            +----------------------------+
|          kf7kn@amsat.org   | Fax:        (406) 446-1607 |
+----------------------------+----------------------------+


## 907. Re: [MIC-E:1183] Re: Why I'm upgrading my dosAPRS...

From: Mark Sproul <sproul@ap.org>
Date: Wed, 28 May 1997 10:12:36 -0400
To: mic-e@tapr.org
Cc: mic-e@tapr.org, aprssig@tapr.org
Message-ID: <v03010d05afb1ed7ffdfb@[165.1.27.20]>
Rendered body type: text/plain

>
>I am running WinAPRS 2.0.0.  The first time I went to work I was able to
>do
>replay track and see my track.  Since then I cannot replay my track.
>I can replay other gps stations track and it seems that it is decoding
>properly.  I will test by setting the GPS to simulator mode.
>
>I am getting the two color blinking of the power light that is suppose
>to
>indicate the box is getting a fix.
>

Version 2.0.0 the REPLAY track from the MENU does not work, however, if you
click on the station and hit "R", it works fine

```
2.0.1 has this fixed


Mark

_____________________________________________________________________
Mark Sproul                      |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press  |
sproul@ap.org                    |Work: 609-860-7120
North Brunswick, NJ              |Fax:  609-860-7129
http://msproul.rutgers.edu/
_____________________________________________________________________
```

## 908. Re: [APRSSIG:13033] Re: [MIC-E:1183] Re: Why I'm upgrading my dosAPRS...

```
From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Wed, 28 May 1997 10:28:07 -0500
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970528102807.0069f12c@m1.sprynet.com>
Rendered body type: text/plain
```

```
At 09:22 AM 5/28/97 -0500, you wrote:

>
>Version 2.0.0 the REPLAY track from the MENU does not work, however, if you
>click on the station and hit "R", it works fine
>
>2.0.1 has this fixed
>
>
>Mark
>
Mark,

As a reminder of what we (I think it was you...who can tell?) spoke about
at Dayton.

When you look at the track data, the right most part of the data gets cut
off the screen (ie the data is so long it does not fit on the line).  This
is also true when the data is display as received below the map.  Where
this is a problem for me when tracking my aircraft I can never see the
altitude as that part of the data is not displayed.

Also, is there any way to control the rate of the replay data.  A one hour
flight, we me sending data every 2 minutes is replayed in about 3 seconds
on my computer.

Dave
```

## 909. PicoPacket setup

```
From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 28 May 1997 11:10:09 -0500
To: aprssig@tapr.org
Message-ID: <338C58E1.7C30@mindspring.com>
Rendered body type: text/plain
```

```
Now that i'm going to be the proud owner (I Hope) of a dual port
PicoPacket i wonder if anyone has used the Tripmate with it. Also has
anyone posted the setup for using the PicoPacket as a standalone tracker
in the past, or would someone do this please. I posted a URL a while
back for a person that makes cables for the Tripmate. He is making me
one with power supply and a DB9m to J45 for the PicoPacket with a switch
that will switch between Tripmate and Standard NMEA output, this will
allow you to use the tripmate with any software. I will keep the sig
posted as to how this cable works out, and all that for $24 i had to try
it.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org
```

## 910. Posits a no-show in javAPRS

```
From: Dick Mead <mead@usc.edu>
Date: Wed, 28 May 1997 09:32:55 -0700
To: aprssig@tapr.org
Message-ID: <338C5E33.7537@usc.edu>
Rendered body type: text/plain
```

With the new format in posits in Mac/Win APRS
that now precede the posit with an equal(=) sign
I no longer see these stations when viewing with
javAPRS via the NE1H web site. Just FYI

Dick WB6NGC

## 911. Things....

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Wed, 28 May 1997 13:22:43 -0500
To: aprssig@tapr.org
Message-ID: <338C77F3.58DF@kcaprs.org>
Rendered body type: text/plain

After having read Mr. Nolle's original post about the TNC lock-ups I
originally dismissed it as being just another of his complaints.  It
seems that this judgment was in error.  I have received some "behind the
scenes" mail that indicates that the problem was indeed real and was a
problem with one particular model of TNC which Bob B. has addressed and
has been aware of since Dayton.

I wish to apologize to this SIG if my comments (which were ORIGINALLY
sent in PRIVATE EMail to Mr. Nolle and copied to the SIG by Mr. Nolle!)
have created ill will or hurt feelings.

It was improper for a PRIVATE message to have been sent out to the SIG
in the first place, but that is for others to deal with besides me...

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

## 912. PacComm 4.1 Firmware & Tracker

From: Gary Sanders <gsanders@gte.net>
Date: Wed, 28 May 1997 13:27:06 -0400
To: aprssig@tapr.org
Message-ID: <338C6AEA.580B@gte.net>
Rendered body type: text/plain

I'm trying to assemble a tracker using a Heath HK-21 Pocket Packet
with PacComm version 4.1 firmware and a Garmin GPS20 board.

When I put tht TNC into GPS mode (GPS ON) and connect the GPS 20 board,
the first few transmitted packets look OK, and my APRS DOS system
can see the tracker.   But after a few minutes, the transmitted
data gets garbled.  I think that the GPS data is overrunning the TNC,
and tht TNC can't keep up.

The basic problem as I see it is I have all sentences enabled on the
GPS20, and there is simply too much data for the TNC to keep up.

I have tried to disable all sentences but GGA using the $PGRMO Garmin
proprietory sentence, but no matter what I try, I can't get the GPS
GPS20 to shut up!

I've tried:
*  Directly from Procomm Plus via the keyboard.
*  From Procomm via sending a text file of $PGRMO strings.
*  By setting GPSITEXT in the TNC to a $PGRMO string to first shut
   down all sentences, then enable GGA.

In all the above tries, I am _NOT_ generating a checksum. Does
anyone know if it's required in this application?

No matter what method I try, the result is the same - the GPS20
ignores the data I send to it.

I've used a 'scope on the GPS20 receive line, and the initialization
string is getting to the board.

I even tried swapping out the GPS20 board, with the same result.

I've tried calling Garmin to see if they can give me some ideas
on board initializing, but unfortunately, no one has called me back.

I've also called PacComm, but apparently they are short handed today
and haven't called back either.

A couple of questions:

1.  Does this problem sound to you like a data overrun situation?

2.  Anyone have any ideas how I can get my GPS20 to quit jabbering
    so much?

Thanks in advance for your help.

Gary Sanders    WB0BZR
gsanders@gte.net

## 913. Tracker

From: "Paul Knupke, Jr. (TD)" <pk@ij.net>
Date: Wed, 28 May 1997 15:02:23 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970528150223.007d2210@POP3.ij.net>
Rendered body type: text/plain

Well thanks to all the advice on tracker equiptment.

I ordered a Tripmate yesterday ($149 for DeLorme direct) and will be
picking up a dual serial port PicoPacket as soon as I can figure out how I
can get over to Tampa (I work about 20 mins away from their office...) and
get one.  Since it is pretty stupid to have them ship it 15 miles.

Now to learn all the cable, and interface issues.  Hopefully KR4YL-9 will
be on the road in the near future.

73 Paul

## 914. RE: Pico Packet Xmit Failure and WinAPRS

From: Mark Sproul <sproul@ap.org>
Date: Wed, 28 May 1997 15:00:05 -0400
To: aprssig@tapr.org
Message-ID: <v03010d00afb230823859@[165.1.27.20]>
Rendered body type: text/plain

>Gwyn Reedy wrote:
>>
>> A customer came into our Dayton booth on Sunday with a new PicoPacket
>> purchased at Dayton and this same problem. He and I went over to the APRS
>> booth where Bob B. hooked up the unit and confirmed the nature of the
>> problem. What is happening is that when APRS wants to send a status, it
>> puts the TNC into command mode, gives some commands, then puts it back in
>> conv mode. Somewhere along the line things get out of sync, and the TNC
>> stays in command mode and therefore won't transmit.

This can happen if the TNC gets turned off by accident and a few other cases.

A comment about Mac/WinAPRS, they continually watch for "cmd:" coning in
from the TNC port, if the software sees this twice, then it automatically
sends CONV to the TNC port to get it back to CONV mode. This has been in
the software since version 1.0.0 so there should not be any issues with the
above Pico packet lock up.

Mark


_____
Mark Sproul                     |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org                   |Work: 609-860-7120
North Brunswick, NJ             |Fax:  609-860-7129
http://msproul.rutgers.edu/
_____


## 915. Re: [APRSSIG:13038] PacComm 4.1 Firmware & Tracker

From: Robert Winingham <kc5ejk@onramp.net>
Date: Wed, 28 May 1997 14:24:55 -0500
To: gsanders@gte.net
Cc: aprssig@tapr.org
Message-ID: <v03102802afb236059e7f@[206.50.200.109]>
Rendered body type: text/plain

>A couple of questions:
>1.  Does this problem sound to you like a data overrun situation?

YES

>2.  Anyone have any ideas how I can get my GPS20 to quit jabbering
>    so much?

Fast answer: Slow the Baudrate via the two jumpers.

I'll check my Docs on how to select on/off nmea output

73


Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 916. Replay rate

From: Robert Winingham <kc5ejk@onramp.net>
Date: Wed, 28 May 1997 14:12:40 -0500
To: fluidpwr@sprynet.com
Cc: aprssig@tapr.org
Message-ID: <v03102801afb231b79ba4@[206.50.200.1]>
Rendered body type: text/plain

>Also, is there any way to control the rate of the replay data.  A one hour
>flight, we me sending data every 2 minutes is replayed in about 3 seconds
>on my computer.
>

Win/MAC APRS:

There are a few trick I use to slow it down a bit.

1. Use display APRS info. that slow it a bit.

2. Turn on track alarm , The system beep for each GPS posit
   slows down the computer even more.


73


Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 917. Pico Setup for Stand Alone Tracker

From: Ralph Milnes <milnes@openix.com>
Date: Wed, 28 May 1997 15:54:29 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970528155429.00691eb8@openix.com>
Rendered body type: text/plain

Bill Nolle asked about the parameters for using the Paccomm Pico Packet 2
serial port model in a stand-alone tracker setup. Ron Parson gave me the
following advice, which worked great for me. Other parameters are OK if
left at the default setting. If anyone sees an error or improvement, please
post it. I'm not suggesting this is the perfect setup.

**********

ECHO OFF

MYCALL xxxxxx-xx (your call plus SSID if desired)

UNPROTO APRS VIA RELAY,WIDE (or set your own path)

GPSTEXT $GPRMC  (you can use any $GPxxx statement you want, such as $GPGGA.
I like RMC because I don't need altitude and I do want speed and bearing.
This value is sent to the LTEXT buffer. LTEXT is then beaconed at the rate
set by LOC along the LPATH )

LPATH APRS VIA RELAY,WIDE (for LTEXT beacons; or set your own path)

LOC EVERY 6 (6 = 60 seconds; set your own rate; )

ELOC 0  (for version 4 firmware; 0 = off -- don't send values to serial
port/APRS)

Note: You could also set LG1TEXT $GPGGA to send $GPGGA values to L1TEXT,

and they would also be beaconed at the LOC rate.

***************

Ralph, KB2WBV
Milnes@openix.com

## 918. Who is using RCM?

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Wed, 28 May 1997 15:06:53 +0100
To: aprssig@tapr.org
Message-ID: <v03102806afb1ebc16a89@[138.87.2.109]>
Rendered body type: text/plain

I have a couple questions on the Radar Coded Messages software. Would you send me a reply message if you have it in your area and have used it?

If you don't know what I'm talking about, then you are in my boat.

Thank you in advance for your time.

/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord  k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/

## 919. Re: [APRSSIG:13036] Posits a no-show in javAPRS

From: Steve Dimse <sdimse@bridge.net>
Date: Wed, 28 May 97 17:51:58 -0400
To: <mead@usc.edu>, "aprssig" <aprssig@tapr.org>
Message-ID: <199705282151.RAA13735@bridge.net>
Rendered body type: text/plain

On 5/28/97 12:42 PM Dick Mead (mead@usc.edu) wrote:

>With the new format in posits in Mac/Win APRS
>that now precede the posit with an equal(=) sign
>I no longer see these stations when viewing with
>javAPRS via the NE1H web site. Just FYI
>
Yes, I need to update javAPRS for the new posits. RealSoonNow...

Steve

## 920. re: [APRSSIG:13036] Posits a no-show in javAPRS

From: Earl Needham <needhame@3lefties.com>
Date: Wed, 28 May 1997 16:22:02 -0700
To: aprssig@tapr.org, mead@usc.edu
Message-ID: <BMSMTP8648616682needhame@server.3lefties.com>
Rendered body type: text/plain

I've tried for several days to look at the JAVAPRS pages at Bob's USNA site and I've not seen any stations at all.

Earl

>  From: Dick Mead <mead@usc.edu>, on 5/28/97 4:14 PM:
>  With the new format in posits in Mac/Win APRS
>  that now precede the posit with an equal(=) sign
>  I no longer see these stations when viewing with
>  javAPRS via the NE1H web site. Just FYI
>
>  Dick WB6NGC

## 921. $GPGGA vs. $GPRMC ?

From: hasan schiers <schiers@ames.net>
Date: Wed, 28 May 1997 17:31:46 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970528173144.00702a98@pop3.ames.net>
Rendered body type: text/plain

I am running a stand alone Pico packet tracker with Garmin 45 GPS.

Since the beginning, I have been using the $GPGGA data sentence with the Pico. I have seen several people running the $GPRMC sentence and putting out course and speed, which seems like a more reasonable piece of info to put out here in the flat lands.

Could someone tell me what parm I need to change in the Pico to use
the RMC sentence instead of the GGA? Any reason I shouldn't change?

Thanks.

------------------
hasan schiers, N0AN

schiers@ames.net

## 922. Re: [APRSSIG:13043] Pico Setup for Stand Alone Tracker

From: William Nolle <wa8inz@mindspring.com>
Date: Wed, 28 May 1997 17:44:46 -0500
To: aprssig@tapr.org
Message-ID: <338CB55E.6259@mindspring.com>
Rendered body type: text/plain

Ralph Milnes wrote:
>
> Bill Nolle asked about the parameters for using the Paccomm Pico Packet 2
> serial port model in a stand-alone tracker setup. Ron Parson gave me the
> following advice, which worked great for me. Other parameters are OK if
> left at the default setting. If anyone sees an error or improvement, please
> post it. I'm not suggesting this is the perfect setup.
>
> **********
>
> ECHO OFF
>
> MYCALL xxxxxx-xx (your call plus SSID if desired)
>
> UNPROTO APRS VIA RELAY,WIDE (or set your own path)
>
> GPSTEXT $GPRMC  (you can use any $GPxxx statement you want, such as $GPGGA.
> I like RMC because I don't need altititude and I do want speed and bearing.
> This value is sent to the LTEXT buffer. LTEXT is then beaconed at the rate
> set by LOC along the LPATH )
>
> LPATH APRS VIA RELAY,WIDE (for LTEXT beacons; or set your own path)
>
> LOC EVERY 6 (6 = 60 seconds; set your own rate; )
>
> ELOC 0  (for version 4 firmware; 0 = off -- don't send values to serial
> port/APRS)
>
> Note: You could also set LG1TEXT $GPGGA to send $GPGGA values to L1TEXT,
> and they would also be beaconed at the LOC rate.
>
> **********
>
> Ralph, KB2WBV
> Milnes@openix.com

Thanks Ralph i will give it a go and will keep you posted.

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 923. NO APRS ICON

From: K8BHU@aol.com
Date: Wed, 28 May 1997 18:51:43 -0400 (EDT)
To: APRSSIG@tapr.org
Message-ID: <970528184949_-397237786@emout17.mail.aol.com>
Rendered body type: text/plain

I CANNOT RECIEVE ALL THE APRS STATION  ICONS. I USE 787 DOS AND MINE WORKS
 BUT NOT ALL APRS STATIONS HAVE A ICON ON MY DISPLAY. I DONT WANT TO VALIDATE
UNTIL I KNOW WHATS UP. DOES IT MATTER IF YOU ARE WINDOWS BASED OR DOS? WHATS
UP BOB?

## 924. Re: DosMAPS -> WinMAPS

From: joefoor@digitalexp.com (Foor, Joe)
Date: Wed, 28 May 1997 10:26:13 -0500
To: aprssig@tapr.org
Message-ID: <338C4E95.D1D@digitalexp.com>

Rendered body type: text/plain

David Dunster wrote:
>
> I have several DOS maps that are high detail for Regina City, right
> down to the street.
>
> I'd like to take all of these DOS maps and create a single WIN Map
> for use with WinAPRS 2.0.1
>
> Is there a utility out there to it?  If not what would one need to
> do.
>
> I have 24 maps in total.
>

Hmmm... I don't know of a utility to do it for you, but it shouldn't be too difficult to do by hand.

The biggest problem is the individual maps don't have the same origin, so you can't just concatenate them with the copy command. If, however, you used MAPFIX to create a new map that covered the entire area, with a PPD selected to just barely fit on the map, then imported each map into the created map... (MAPFIX starts messing up when you get up over 15,000 points on a single map, so you would only be able to get four or five maps in each new map) but then you could concatenate the newly created maps and use a text editor to remove the beginning lines, from the file joined areas, and shift the labels all to the end of the single map. This would probably work, although you would lose some of your detail because the PPD wouldn't be high enough to retain all of the original points.

If the detail isn't satisfactory, you could always make several smaller maps, selecting the size and PPD to match the original maps PPD, to retain all the original map points. That should enable you to at least reduce the 24 maps to 6 or fewer.

Of course, if you haven't played around with MAPFIX, these instructions won't mean much to you :-)

regards,
Joe KF4DYS  (I just do it all for fun now)
---
Miniature Repair Technician(retired), Electronics Instructor(retired), Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired), Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired), Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 925. Garmin GPS 50 and PicoPacket

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Thu, 29 May 1997 00:48:54 +0000
To: aprssig@tapr.org
Message-ID: <19970529004853.AAA12711@LOCALNAME>
Rendered body type: text/plain

Gentlemen & Ladies,

My difficulty is the interface of my PicoPacket and my Garmin GPS 50.  The GPS 50's 0 (zero) to +5 volt signal is apparently not compatible with the second serial port of the PicoPacket.  An O'scope on the data line confirms the signals are hitting the Pico from the GPS.  Guess the 1's have to go negative voltage.  I looked at the daughter board in the Pico to configure the TTL signal level jumpers described in the manual but they are no longer available.  Several years ago Paul at PacCom helped me with the interface of the GPS 50 to a PacCom TNC-320.  That involved a 10K ohm resistor between the data-in and data-out lines.  It worked fine for the 320 but not for the pico.  Before I strike out on some high tech project that may or may not solve the problem I'd like a sanity check.  My Location beacon keeps telling me it's waiting for GPS data.  I've double and triple checked the wiring. I'm using the Ralph Milnes (KB2WBV) Pico settings which work fine except "no GPS data."  Suggestions?????

Bob WB8CXN
Dayton OH

## 926. Re: [APRSSIG:13049] NO APRS ICON

From: Jeff Brenton <jeffb@stans.com>
Date: Wed, 28 May 1997 19:51:38 -0500
To: K8BHU@aol.com

Cc: aprssig <aprssig@tapr.org>
Message-ID: <338CD31A.7A5F@stans.com>
Rendered body type: text/plain

Pull down version 7.92 or later, as it has the added icons. 7.87 had
maxed-out the original icon set, so they added a new set for 7.9x and
later (1.4.0 and later for the Windows 95 program, WinAPRS).

7.87 will not show stations that send their position with an '=' as the
lead character, and that's the default for fixed-base Windows stations
(will also be for DOS versions, later this year), or the new WIDE-RELAY
icon, or numbered circles, stars, cars, etc.

You can FTP the files from
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/aprsdos

## 927. $GPRMC...simple

From: hasan schiers <schiers@ames.net>
Date: Wed, 28 May 1997 20:00:40 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970528195900.00707978@pop3.ames.net>
Rendered body type: text/plain

Well, that was simple. Going from $GPGGA which I had been
using in my Pico to $GPRMC was as simple as changing
GPSTExt to $GMRMC...worked perfectly. Thanks to all for
the tip. 73

-------------------
hasan schiers, N0AN

schiers@ames.net

## 928. Re: [APRSSIG:13047] $GPGGA vs. $GPRMC ?

From: Richard Amirault <amirault@shell2.tiac.net>
Date: Wed, 28 May 1997 21:59:55 -0400 (EDT)
To: hasan schiers <schiers@ames.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.BSF.3.96.970528215509.6953A-100000@shell2.tiac.net>
Rendered body type: text/plain

On Wed, 28 May 1997, hasan schiers wrote:

>
> I am running a stand alone Pico packet tracker with Garmin 45 GPS.
>
> Since the beginning, I have been using the $GPGGA data sentence with
> the Pico. I have seen several people running the $GPRMC sentence and
> putting out course and speed, which seems like a more reasonable
> piece of info to put out here in the flat lands.
>
> Could someone tell me what parm I need to change in the Pico to use
> the RMC sentence instead of the GGA? Any reason I shouldn't change?

I don't use RMC in my tracker because:

I don't think a dead reckoned postion is anywhere near accurate with the
twisty, roads we have in New England (your mileage may vary)

When I shut down the rig the last posit sent out (with course/speed) will
continue to dead reckon even tho I am now parked. (and I don't want to
wait for 5 minutes until the next transmission, and I don't want to beacon
every minute either)

Richard Amirault  N1JDU  Boston, Massachusetts USA
amirault@tiac.net  "Go Fly A Kite"

## 929. Re: [APRSSIG:13051] Garmin GPS 50 and PicoPacket

From: Jeff Brenton <jeffb@stans.com>
Date: Wed, 28 May 1997 21:07:18 -0500
To: rgmahon@worldnet.att.net
Cc: aprssig <aprssig@tapr.org>
Message-ID: <338CE4D6.6FD9@stans.com>
Rendered body type: text/plain

I'm running a Garmin 55AVD, which has the same signal levels and logic
as the 50, and it works just fine to the PicoPacket... Both are fed from
12v, but the NMEA signals are 0-5v.

Robert Mahoney wrote:
> My difficulty is the interface of my PicoPacket and my Garmin GPS 50.  The
> GPS 50's 0 (zero) to +5 volt signal is apparently not compatible with the
> second serial port of the PicoPacket.  An O'scope on the data line confirms
> the signals are hitting the Pico from the GPS.  Guess the 1's have to go
> negative voltage.  I looked at the daughter board in the Pico to configure
> the TTL signal level jumpers described in the manual but they are no longer
> available.  Several years ago Paul at PacCom helped me with the interface of
> the GPS 50 to a PacCom TNC-320.  That involved a 10K ohm resistor between
> the data-in and data-out lines.  It worked fine for the 320 but not for the
> pico.  Before I strike out on some high tech project that may or may not
> solve the problem I'd like a sanity check.  My Location beacon keeps telling
> me it's waiting for GPS data.  I've double and triple checked the wiring.
> I'm using the Ralph Milnes (KB2WBV) Pico settings which work fine except "no
> GPS data."  Suggestions?????

## 930. Re: [APRSSIG:13052] Re: NO APRS ICON

From: Cap Pennell <cap@cruzio.com>
Date: Wed, 28 May 1997 19:03:51 -0700
To: jeffb@stans.com, aprssig@tapr.org
Message-ID: <3.0.1.32.19970528190351.006b49a0@mail.cruzio.com>
Rendered body type: text/plain

At 20:00 5/28/97 -0500, Jeff Brenton wrote:
>Pull down version 7.92 or later
<snip>
>You can FTP the files from
>ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/aprsdos
>
>.-
Close, but the URL is case-sensitive.  Try:
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/dosstuff/APRSdos/
--
Cap Pennell
Santa Cruz, CA 95062-1002       3658.92N/12200.88W
e mailto:cap@cruzio.com   home page: http://members.cruzio.com/~cap
packet radio: KE6AFE @kg6ee.#cca.ca.usa.noam

## 931. Re: [APRSSIG:13046] re: Posits a no-show in javAPRS

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 28 May 1997 23:11:07 -0400 (EDT)
To: Earl Needham <needhame@3lefties.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970528230955.10190E-100000@arctic>
Rendered body type: text/plain

On Wed, 28 May 1997, Earl Needham wrote:

>       I've tried for several days to look at the JAVAPRS pages at Bob's USNA
> site and I've not seen any stations at all.

APRSdos REPLY/COMMENT: MY APRSWEB.bas that drives my WEB pages seems to
have a bug for the last few weeks that crashes it about once a day.  I try
to check it each monrning and evening, but may forget sometimes.
Sorry...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 932. Re: [APRSSIG:13049] NO APRS ICON

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 28 May 1997 23:13:32 -0400 (EDT)
To: K8BHU@aol.com
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970528231136.10190F-100000@arctic>
Rendered body type: text/plain

On Wed, 28 May 1997 K8BHU@aol.com wrote:

> I CANNOT RECIEVE ALL THE APRS STATION  ICONS. I USE 787 DOS AND MINE WORKS
>  BUT NOT ALL APRS STATIONS HAVE A ICON ON MY DISPLAY. I DONT WANT TO VALIDATE
> UNTIL I KNOW WHATS UP. DOES IT MATTER IF YOU ARE WINDOWS BASED OR DOS? WHATS
> UP BOB?

APRSdos REPLY/COMMENT:  WinAPRS began tranmistting and APRSdos began

receiveing a new format about a month ago.  YOu will need a later version
of APRS than 787 to see this new format.   ALso to see the new Mic-E's

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 933. Re: [APRSSIG:13054] Re: $GPGGA vs. $GPRMC ?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Wed, 28 May 1997 23:21:59 -0400 (EDT)
To: Richard Amirault <amirault@shell2.tiac.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970528231944.10190J-100000@arctic>
Rendered body type: text/plain

On Wed, 28 May 1997, Richard Amirault wrote:

> I don't use RMC in my tracker because:
>
> When I shut down the rig the last posit sent out (with course/speed) will
> continue to dead reckon even tho I am now parked.

APRSdos REPLY/COMMENT:  When you know you are going to shut down, hit the
F6 QRT key.  THis will force all of your remaining posits to have 000
speed.  THis way everyone that copies your last few transmissions will NOT
DR you and your car will stay in your driveway...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 934. DOS APRS and SA4

From: Gary Sanders <gsanders@gte.net>
Date: Wed, 28 May 1997 23:57:23 -0400
To: aprssig@tapr.org
Message-ID: <338CFEA3.23E4@gte.net>
Rendered body type: text/plain

Well, I got my tracker working - the trouble was there were too many
GPS sentences coming from the GPS20 - causing the TNC to choke. I
enabled only GGA and RME, and it seems to work fine. It's a Heath
Pocket Packet with pacComm 4.1 firmware, and a GPS20 board plugged
directly into the TNC without a PC.

One other question.  I'm using DOS APRS 791 at home, and have the
second port set up to send data to another pc running SA4. When I
hook my tracker, data is passed to the other machine and the position
shows on SA4.  However, data is only sent to the SA4 machine the one
time I hook it - there are no subsequent position updates even though
the APRS machine receives position packets. I've looked at the data
coming out of the port that feeds the SA4 machine - no new data after
it's initially hooked.

The tracker isn't moving, so the position data doesn't change
substantially. (It's still sitting on my desk in a pretty messy pile).
Could that be causing the lack of updates?

Any ideas?

Gary Sanders    WB0BZR
gsanders@gte.net

## 935. That's what I get...

From: "Jim Duncan, KU0G" <ku0g@kcaprs.org>
Date: Wed, 28 May 1997 23:19:23 -0500
To: aprssig@tapr.org
Message-ID: <338D03CB.7F1B@kcaprs.org>
Rendered body type: text/plain

OK, this is what I get for trying to function while ill...

I posted the original message to the sig, so (god, this is painful...):

Mr. Nolle, I apologize for my biting remark in my original sig posting
of last week.  By making such a statement I lowered myself to your level

which I am not proud of.

To the rest of the SIG, I feel like a horse's patoot, so I'll eat my
crow joylessly...

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
Rogue Squadron Storm Chasers
EMail:  ku0g@kcaprs.org
Webpage: http://www.kcaprs.org
BorgNet: 1st of 10

## 936. Re: PacComm 4.1 Firmware & Tracker

From: Terrance Kealey <tkealey@mdc.com>
Date: Wed, 28 May 1997 15:15:12 -0500
To: aprssig@tapr.org
Message-ID: <s38cc19c.044@mdc.com>
Rendered body type: text/plain

You need to use a check sum with the GPS-20. The checksum is
calculated by XORing everything between "$" and "*".

The following are the messages you need to send the GPS-20 to enable
only the GGA message.

     $PGRMO,,2*75
     $PGRMO,GPGGA,1*20

I beleive that everytime you power down the GPS-20, it will default to all
messages on again. So this might not be desireable for a stand alone
tracker.  But it will verify whether you TNC is the problem.

Terry, ki0bf

## 937. Re: [APRSSIG:13060] DOS APRS and SA4

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 29 May 1997 00:18:47 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <338D11B6.208C1108@probe.net>
Rendered body type: text/plain

Gary Sanders wrote:

> One other question.  I'm using DOS APRS 791 at home, and have the
> second port set up to send data to another pc running SA4. When I
> hook my tracker, data is passed to the other machine and the position
> shows on SA4.  However, data is only sent to the SA4 machine the one
> time I hook it - there are no subsequent position updates even though
> the APRS machine receives position packets. I've looked at the data
> Any ideas?
> Gary Sanders    WB0BZR

Well, Gary, I haven't used the APRSdos to SA4 outgga option since I came
across Brent Hildebrand's APSRa4.    It's another option to consider...
are you using WIndows 95?

If so, go to ftp://www.flo-bin.com/pub/flo-bin/APRSA4/ and download
APRSa4.zip.  This program will automatically interact with SA4 within
the same machine - with street level detail of all stations plotted in
SA4.

You only need one machine - the way this program works is quite
incredible and must be seen to be appreciated.  It will show tracking
lines of any/all selected moving stations, plus many more great
features.  The current version will transmit at least some of the
information you may need to xmit (at least your current posit and
status).  Please note this is not quite yet even beta, but it works like
released software.

I don't want to talk you out of using APRSdos, because Bob really did
pioneer this whole thing, but if you need great mapping detail from time
to time, APRSa4 is your best bet.

If you try APRSa4 and have questions, let us know.

Jim Gill, N0RMO
jimgill@probe.net

## 938. Re: $GPGGA vs. $GPRMC ?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 28 May 1997 22:30:51 -0700
To: bruninga@nadn.navy.mil, aprssig@tapr.org
Message-ID: <3.0.32.19970528223048.006a1838@mailhost.primenet.com>
Rendered body type: text/plain

At 10:20 PM 5/28/97 -0500, Bob Bruninga wrote:
>On Wed, 28 May 1997, Richard Amirault wrote:
>
>> I don't use RMC in my tracker because:
>>
>> When I shut down the rig the last posit sent out (with course/speed) will
>> continue to dead reckon even tho I am now parked.
>
>APRSdos REPLY/COMMENT:  When you know you are going to shut down, hit the
>F6 QRT key.  THis will force all of your remaining posits to have 000
>speed.  THis way everyone that copies your last few transmissions will NOT
>DR you and your car will stay in your driveway...
>

That's often hard to do.  I have no F-6 key on my autotracker because I
have no computer attached to it.

I agree the RMC sentence is NOT the best way to beacon on a stand-alone
tracker, especially on a car.  I've never seen a dead-reckon work properly
on an automobile as there usually is no way to travel much significant
distance in a straight line.  I was running RMC for a while on my
stand-alone tracker and then noticed that APRS had DR'd me to Wickenburg,
when in fact, my car was in central Phoenix.  GGA is the way to go in a
stand-alone tracker, at least on a land based tracker.

73,

Mark
KC7BXS

## 939. Things still off in WinAPRS 2.0.1

From: Jeff Brenton <jeffb@stans.com>
Date: Thu, 29 May 1997 00:33:45 -0500
To: Keith Sproul <ksproul@hardees.rutgers.edu>, Mark Sproul <sproul@ap.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <338D1539.A6A@stans.com>
Rendered body type: text/plain

The following things are still there in version 2.0.1 of WinAPRS, not
sure about MacAPRS:

Graphs of weather station data (Lists/Weather List/select a station) are
still off by the UTC offset you input in your station settings, i.e.,
all weather stations plot 5 hours behind the "time line" for me (UTC-5).
There is also a copy of the latest readings ON the time line, but, for
trend info, you have to look (UTC offset) hours back.

Weather stations with the same call sign as "observer" CLEAR the graph
on the first reading after 0000 local time. Graphs for both KA9VNV and
KA9VNV-3 will fill w/5 hour offset, but, when 0005 weather report is
received, graph goes blank, except for a plot at 1905, 2400, and 0005.

While I can't confirm 100%, it LOOKS like the graphing done between 0005
and 0500 on my same-call stations is plotted at the correct time; I know
the 6 reports received since midnight are plotted in the 0000-0100 range
of the graph. I won't be staying up tonight to see if this trend
continues until 0500, but I do know that, when I check it at 0630 local,
the "current" plots are back at local-5 hours, and there isn't any white
space amongst the plots.

After 0000 local, attempting to do a single-station history (double
click on station) for KA9VNV-3 (WinAPRS running with call sign KA9VNV)
will still generate an unhandled exception. Doing it for other stations
does not get the exception. Changed from 2.0.0 is that now, after
restarting and reloading the log of the session that crashed, attempting
to do the same thing does NOT crash it a second time, as before. It's
still an "on command" crash, but not as repeatable as it was in 2.0.0.

Most everything else mentioned by me and others for 2.0.0 have been
fixed, with exceptions that I know have been brought to your attention
already (like no "You've got mail!" when a message comes in).

## 940. Re: [APRSSIG:13064] Re: $GPGGA vs. $GPRMC ?

From: "James P. Gill" <jimgill@probe.net>
Date: Thu, 29 May 1997 00:56:09 -0500
To: "aprssig@tapr.org" <aprssig@tapr.org>
Message-ID: <338D1A78.6ADF5DE@probe.net>
Rendered body type: text/plain

Mark Fellhauer wrote (previous threading quoted):

> >>> When I shut down the rig the last posit sent out (with
> course/speed) will
> >>> continue to dead reckon even tho I am now parked.
> >>APRSdos REPLY/COMMENT:  When you know you are going to shut down,
> hit the
> >>F6 QRT key.  THis will force all of your remaining posits to have
> 000

>  That's often hard to do.  I have no F-6 key on my autotracker because
> I
>  have no computer attached to it.
>
> I agree the RMC sentence is NOT the best way to beacon on a
> stand-alone

> when in fact, my car was in central Phoenix.  GGA is the way to go in
> a
> stand-alone tracker, at least on a land based tracker.
>
> Mark
> KC7BXS

Mark, I have had my KPC3+ set up to send both RMC as GPSHEAD 1 and GGA as GPSHEAD 2, with GGA sent a few seconds after RMC for each reporting interval.  This way, at least with APRSa4, both packets are recorded in the history, my maps plot both posits on the screen, the speed and course are shown and plotted, but the last packet to hit the air each time is the GGA.

Will this then force the APRSdos machines that are out there to see the last posit each time, the GGA, and as such ignore the speed and course since it sees GGA as its' most recent posit?

I hope I haven't over-explained myself, but I see this as another (possibly optimal) solution for those still wanting to spit out RMCs for their histories to be captured at home, if this works as I think it should.

Thanks,

Jim   N0RMO
jimgill@probe.net

## 941. Re: [APRSSIG:13064] Re: $GPGGA vs. $GPRMC ?

From: Robert Winingham <kc5ejk@onramp.net>
Date: Thu, 29 May 1997 01:17:52 -0500
To: aprssig@tapr.org
Message-ID: <v03102800afb2ca366f9f@[206.50.200.139]>
Rendered body type: text/plain

>
>I agree the RMC sentence is NOT the best way to beacon on a stand-alone
>tracker, especially on a car.  I've never seen a dead-reckon work properly
>on an automobile as there usually is no way to travel much significant
>distance in a straight line.  I was running RMC for a while on my
>stand-alone tracker and then noticed that APRS had DR'd me to Wickenburg,
>when in fact, my car was in central Phoenix.  GGA is the way to go in a
>stand-alone tracker, at least on a land based tracker.
>

This is not a PROBLEM at all for  WIN/MAC aprs users.

We have covered this before. There are ways for DOS aprs users to not DR. Why limit the watching fun just because some can't follow directions ( PUN intended).

99% of GPS aprs users use RMC

The extra information can tell you if good old

Joe is coming into town or just left, with out waiting
10 min for the next posit. During special events the speed
data gives extra information.

Without DGPS the +- 400 Ft Altitude  accuracy of GGA is not useful for
cars.

Two people write the software - hundreds use trackers
adjust the software not human nature.

73

Bob - Dallas,TX ---  kc5ejk@onramp.net  or  kc5ejk@amsat.org  ---

## 942. New javAPRS version

From: Steve Dimse <sdimse@bridge.net>
Date: Thu, 29 May 97 02:24:29 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705290624.CAA09073@bridge.net>
Rendered body type: text/plain

I have posted a new version of javAPRS (1.7b1) which displays the new
positions beginning with '='. It also displays overlay characters
correctly. There are still a few things not quite up to date, like the
icon set, but this is a good start. The file is

ftp://ftp.tapr.org/tapr/SIG/aprssig/files/javastuff/japrs17b.zip

Steve K4HG

## 943. Re: $GPGGA vs. $GPRMC ?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Wed, 28 May 1997 23:54:45 -0700
To: jimgill@probe.net, aprssig@tapr.org
Message-ID: <3.0.32.19970528235443.006b4614@mailhost.primenet.com>
Rendered body type: text/plain

At 01:10 AM 5/29/97 -0500, James P. Gill wrote:
>Mark Fellhauer wrote (previous threading quoted):
>
>Mark, I have had my KPC3+ set up to send both RMC as GPSHEAD 1 and GGA
>as GPSHEAD 2, with GGA sent a few seconds after RMC for each reporting
>interval.  This way, at least with APRSa4, both packets are recorded in
>the history, my maps plot both posits on the screen, the speed and
>course are shown and plotted, but the last packet to hit the air each
>time is the GGA.
>
>Will this then force the APRSdos machines that are out there to see the
>last posit each time, the GGA, and as such ignore the speed and course
>since it sees GGA as its' most recent posit?
>
>I hope I haven't over-explained myself, but I see this as another
>(possibly optimal) solution for those still wanting to spit out RMCs for
>their histories to be captured at home, if this works as I think it
>should.

No, I understand completely, and was doing the same thing for awhile.  But
I stopped as I got a few local comments that they were concerned that this
practice (in the future) would bog down the network when more autotrackers
came online.  Especially if the new people emulated me. It does double the
amount of packets one sends out.  I also increased my time between position
reports based on local comments.  But, at one point I was the only
autotracker in Phoenix...that is not the case now.

73,

Mark
KC7BXS

## 944. Re: $GPGGA vs. $GPRMC ?

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 29 May 1997 01:23:55 -0700
To: kc5ejk@onramp.net, aprssig@tapr.org
Message-ID: <3.0.32.19970529012353.006b2e0c@mailhost.primenet.com>
Rendered body type: text/plain

At 01:19 AM 5/29/97 -0500, Robert Winingham wrote:
>
>This is not a PROBLEM at all for  WIN/MAC aprs users.

That's great.  Most people I know are still running DOS APRS though.  It runs on the least expensive machine you can find, as well as many older laptops and palmtops.  And these are what I usually see being used at special events.

>
>We have covered this before. There are ways for DOS aprs users
>to not DR. Why limit the watching fun just because some can't
>follow directions ( PUN intended).
>
>99% of GPS aprs users use RMC

Yes we have covered this before.  I see no more "fun" in an RMC vs. a GGA sentence.  In fact, I find it more fun to set DOS APRS in 3d mode and watch cars "flying" above the ground.  In cities with mountains and hills (like Phoenix or San Diego), oftentimes height data is useful.  This capability will be even more useful in the future when 3D terrain mapping becomes more commonplace.  And if we ever get a WIDE on the White Tanks with a good receiver we will be able to digi as far away as the Mogollon Rim with just a few watts.  Then height info will be very useful even in current versions of APRS software.

I can follow directions and set up my APRS software just fine.  It's not that I'm stupid or lazy...

And just because 99% of mobile GPS units are using RMC doesn't make it the correct way to do things in all situations.  I will address that below.

>The extra information can tell you if good old
>Joe is coming into town or just left, with out waiting
>10 min for the next posit. During special events the speed
>data gives extra information.

Great.  BUT BASED ON WHAT I'VE SEEN in both Phoenix and San Diego that the people running RMC autotrackers (most in cars/trucks) aren't beaconing every 10 minutes.  The three guys in Phoenix (with land vehicles) that regularly run RMC exclusively are all beaconing at ONE OR TWO MINUTE INTERVALS!!!!!  In this case, especially in urban traffic, the DR is actually giving false information.  GGA position reports in this case are more accurate and effective.  THAT'S JUST COMMON SENSE!!!  And most offenders are in cars driving in city traffic!!!

Sure, I could shut off the DR on my system, but then I lose DR capability for the trackers that are PROPERLY sending out RMC sentences, like Aircraft and Boats.

So get off your frickin' high horse and stop blaming the good users of APRS for not being able to follow directions.  BLAME the people who are beaconing RMC at one minute intervals in their land locked vehicles (mostly in stop 'n' go traffic)!  It is they who are creating a problem!

I would agree that RMC might be useful in special events like marathons.

>Without DGPS the +- 400 Ft Altitude  accuracy of GGA is not useful for
>cars.

DGPS is getting less expensive and more commonplace, not to mention pseudollites may be coming on-line in a few cities on or before 2002. Plus, we may even see more amateur run DGPS sites coming soon.  It is my understanding that Motorola has dontated a DGPS system to the Phoenix APRS users.

>
>Two people write the software - hundreds use trackers
>adjust the software not human nature.

So your position is that I should turn off the dead reckoning feature to cater to people who want to see the speed of cars in urban traffic while beaconing RMC at one minute intervals...even though those people seldom ever get above 35 MPH and can never go more than about 2 miles without having to come to a complete halt for a minute or more; or seldom travel in a straight line for more than 3 miles.  And to do this I lose the ability to DR the people in boats (mostly on HF) and in airplanes.

One word comes to mind:  ASININE

And I have addressed sending both sentences before:  Sending both RMC and
GGA sentences is a fine solution except in areas where the network is
already congested.  IMHO, land based vehicles in urban/suburban situations
(which covers about 80% of all the trackers I've encountered) have little
or no business outputting RMC sentences, especially at short intervals.
Course and speed is so variable in these situations that it's useless
(there is no accuracy in it as that three seconds after I beacon my course
at due North and a speed of 50 MPH, I can easily be heading due west at 20
MPH)  That's what happens when I drive home...


And BTW, that was your logic.  You stated that the 400 ft variability in
height was useless data for a car.
So then how can reporting speed and course that can vary wildly (and
usually does) have any meaningful purpose?


73,

Mark
KC7BXS

## 945. Re: Oh my technological God!

From: Mark Fellhauer <sparkfel@primenet.com>
Date: Thu, 29 May 1997 01:24:19 -0700
To: dvanhorn@stonewest.com
Cc: aprssig@tapr.org
Message-ID: <3.0.32.19970529012416.006b0530@mailhost.primenet.com>
Rendered body type: text/plain

At 04:45 PM 5/23/97 -0500, Dave VanHorn wrote:

>> The head-end of the unit is a standard DIN sized car stereo, but it is
>> motorized and flips out to reveal a 5 inch active matrix display and
>> control panel on the "bottom" of the unit.  Mentioned, but not priced, are
>> two accessory items.  1) a rear mounted video camera  2) A CLARION
>> NAVIGATION SYSTEM
>>
>> I have two questions:
>>
>> 1)  How can we integrate this screen to display APRS?
>>
>
>
>Regular DIN or double-high??

Lessee...okay the Crutchfield catalog lists it as size "I, J, & E," which
is a standard height radio and a mounting depth of 6 and 7/8th inches.  The
tuner and amp electronics are mounted in a separate (remote mounted)chassis
that's  9.75 x 1.5 x 7.5 inches.  Options listed include:  head-end
controlled DSP EQ, Rear-mount video camera, and Clarion navigation system.
The Crutchfield catalog doesn't list prices and features of the camera or
navigation system.  I assume the nav system is similar if not the same
voice propmting/voice responding unit that Clarion has advertised in the past.

I think it might have clearance problems in my GEO Storm as it would
probably hit the stick shift when the screen is flipped open...not to
mention the the absurdity of putting a $2400(PLUS) radio/nav system in a
car I paid $7000 for (that's not garaged).  It already has too much
electronic junk in it.  Several people have remarked that my car is better
equipped (radio and gunwise) than the average police cruiser.  (G)  The
girl/women employees at the local Jack-in-the-Box have nicknamed me "Radar
Man."


>
>A VGA to NTSC rig would presumably take care of that end. I bet they
>don't let
>you at their GPS/map data though.. (bummer)

I just purcahsed an ATI Pro Turbo PC2TV video card...waiting for the Tyan
ATX motherboard to put it on though.  It does NTSC and S-video out of the
box.  I'm looking forward to using it to make an APRS video tape demo.

I've also seen an ad for Panasonic's DVD Auto Navigation System.  But no
specs were listed.  Panasonic's web site wasn't much help either.

>

>PC-104 format boards could be wedged right into the car to give
>reasonable
>performance in a very compact space.
>
>There are new "virtual displays" coming out, that are supposed to give
>you
>a 20" screen 2' away (what I'm doing CAD with now) in an itty-bitty HUD.
>I like that approach, overlaying the map data on what I'm seeing!
>

I found a pair of Head-up (view-thru) glasses at a computer swap meet, that were supposed to display a 640 x 480 screen, or TV picture for $175. I almost bought them, except that they were custom made for left-eye dominant people and couldn't be converted to right eye. Which is why they were $175. I've never met a left-eye dominant person and we have a lot of lefties (not me) in my family.

Which leads me to the question of how state legislatures and insurance companies are going to take to this technology when it gets more prevalent. I recently t-boned a car that turned left about 50 feet in front of me (and of course the woman driving the car has no insurance, no job, and two kids on ADC...) and when my insurance company sent out an adjuster he came to my office early, before I had a chance to remove the FT-8500, antenna, stalk-mounted Trailblazer XL, etc... I was expecting him to balk and say I was distracted from my driving with all that equipment, but he didn't say anything about it...Will see on my renewal. At least she was deemed at fault and I was able to hit her slow enough so I didn't get an airbag in my face. Nice as I am, she has no ability to pay, no any inclination to do so either, so I'm filing the paperwork to have her license and plates revoked, as well as seeking legal council. She may wind up in Justice Court. Already my paralegal has said I should file in Superior Court (G).

BUT, I have heard other people mention they weren't so lucky. My boss just recently changed insurance companies to GEICO, and they asked if he had any electronics in his car, like: Cell Phones, 2-way radios, radar detectors, etc. And I don't think those were benevolent questions. It seems to me that they were inquiring so they could tack that on to his bill on some kind of actuarial basis.

Already several states have looked at outlawing a driver's use of cell-phones in a moving vehicle and insurance companies say a person using a cell-phone is 4 times more likely to get in an accident while doing so. In Japan, a test of car navigation systems was cut short because of the high rate of accidents by the people using the system. It seems test subjects had a nasty habit of crashing while looking at the screen and not the road.

I wonder how they're gonna react when and if car navigation systems and HUD catch on?

73,

Mark
KC7BXS

## 946. HGelp with Stand Alone Tracking

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Thu, 29 May 1997 02:47:44 -0700
To: APRS <aprssig@tapr.org>
Message-ID: <338D50C0.8DC17278@bigfoot.com>
Rendered body type: text/plain

I have a AEA PK-12 TNC hooked-up to a Azden PCS-2000 fed by a GPS 12 XL or GPS II+ (One has to go back when I decide which I like better). The problem is after setting up the TNC for Stand Alone Tracking it will not key the radio. Here is the set up per manual:
1. Insure TNC works properly with computer. (It does)
2. Enter MY KB7QQQ-14
3. Program UNPROTO to: UN APRS via Relay
4. GLOCtx 6 (going by the book)
5. GNMEA1 $GPGLL
   GNMEA2 $GPVTG (Have tried other combinations of GPS sentences)
6. Type GPSMode 1
   At this point the TNC should be switched to GPS mode and baud rate changed to 4800. It says the screen will not respond after entering this command and it does not.
7. Turn off PK-12 and disconnect from computer.
8. Connect TNC to radio and GPS.

Now it should be working but it is not. The TNC is not keying the radio. I know that it has to receive a valid GPS sentence to transmit. I have even tried putting the GPS in Simulator mode and giving it a heading and course. I have tried setting GPS to NMEA/NMEA & NONE/NMEA. Also tried both NMEA 0183 1.5 and NMEA 2.0

I have two PK-12's set up and both work fine as a base. Yes I have checked them out on both radio's and with both connectors. The only problem I can find is that neither PK-12 will XMIT after it has been issued the GPSMode 1 command.

Does anyone have any suggestions??????

--
**********
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
**********

## 947. New to Aprs

From: ka1eui@juno.com
Date: Thu, 29 May 1997 08:01:42 EDT
To: aprssig@tapr.org
Message-ID: <19970529.075921.4623.0.ka1eui@juno.com>
Rendered body type: text/plain

Good day, I am new to APRS, my name is Jim and my call is KA1EUI. So far, I've been monitoring in my area (Cape Cod MA) and I see everyone's shack, and we all just sit there and nothing happens. What I'd like to know is what other hams in other parts of the country are doing? Do you guys ever have qso's on freq? Please bear with me, as I think aprs is great, and I'm trying to learn as fast as I can. I have one application that I'd really like to pursue. We have a young man in the area who is handicapped, and would like to compete in marathons. Very often he is the only wheelchair athlete, and we would like to have a way to "track" his progress. APRS to me seems ideal! Any input will be much appreciated!
73 Jim
KA1EUI

## 948. Re: [APRSSIG:13070] Re: $GPGGA vs. $GPRMC ?

From: Demos Doulou <ddoulou@gte.net>
Date: Thu, 29 May 1997 08:13:09 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970529081309.006cd6f8@mail.gte.net>
Rendered body type: text/plain

Gee, this is the same thing I was complaining about the last time this thread started. I haven't been following this one that close, but I agree totally with what Mark, KC7BXS said.

73

Demos Doulou
ddoulou@gte.net
KR4US kr4us@amsat.org
Pinellas County RACES Radio Officer
Pinellas Cty ARES/RACES Home Page: <http://home1.gte.net/scout>
My Home Page: <http://home1.gte.net/ddoulou>

## 949. Re: [APRSSIG:13061] That's what I get...

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 29 May 1997 07:15:03 -0500
To: aprssig@tapr.org
Message-ID: <338D7347.4642@mindspring.com>
Rendered body type: text/plain

Jim Duncan, KU0G wrote:
>
> OK, this is what I get for trying to function while ill...
>
> I posted the original message to the sig, so (god, this is painful...):
>
> Mr. Nolle, I apologize for my biting remark in my original sig posting
> of last week. By making such a statement I lowered myself to your level

> which I am not proud of.
>
> To the rest of the SIG, I feel like a horse's patoot, so I'll eat my
> crow joylessly...
>
> --
> 73 de Jim, KU0G

Jim you just won't give up will you!. Now your blaming all this on a
medical condition. You are not apologizing because in the same sentence
you are doing the same thing you have been doing both on the sig and
with private e-mail to me and now your attemting to save face. Again i
say PLEASE just get off of my back. Why is it everytime i post something
on the sig you have to post a nasty remark to it either on the sig or
private e-mail to me. I also have a medical condition by nearly loosing
my left leg 3 weeks ago, but this is no excuse for you to do what you
have been doing and moreover you just won't give up will you. Let's just
drop this. If you have anything to say or dislike about my postings just
e-mail me in private and we will deal with it that way. You accused me
of posting things to the sig that should have wen't to a certain person,
well what do you call this. Post anything you want but from now on just
leave my name out of it.

Sorry for the bandwidht sig users but this person has been on my back
for a while now and i have no idea why this is.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 950. Re: [APRSSIG:13038] PacComm 4.1 Firmware & Tracker

From: rwf <rwf@mindspring.com>
Date: Thu, 29 May 1997 08:39:24 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529081446.00afdbdc@ccegate.cokecce.com>
Rendered body type: text/plain

when I do it on the GPS35 (has a 25 engine in it)  I use procomm and enter
the command they suggest  THEN an ENTER  and then a CTRL J  (linefeed)
This is the only way I have gotten it to listen.   Don't worry about checksum.

At 01:39 PM 5/28/97 -0500, Gary wrote:
>I have tried to disable all sentences but GGA using the $PGRMO Garmin
>proprietory sentence, but no matter what I try, I can't get the GPS
>GPS20 to shut up!
>
>I've tried:
>*  Directly from Procomm Plus via the keyboard.
>*  From Procomm via sending a text file of $PGRMO strings.
>*  By setting GPSITEXT in the TNC to a $PGRMO string to first shut
>   down all sentences, then enable GGA.ame result.
Ralph Fowler, N4NEQ   S.E.R.A. ATV Technical Advisor   Author of TIBBS(tm)

Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 951. Re: [APRSSIG:13072] HGelp with Stand Alone Tracking

From: rwf <rwf@mindspring.com>
Date: Thu, 29 May 1997 08:39:24 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529083523.00b02980@ccegate.cokecce.com>
Rendered body type: text/plain

Swap the  transmit and receive data lines when you hook the GPS to the TNC
directly.
Both are DCE.

At 04:49 AM 5/29/97 -0500, Sam Roe wrote:
>I have a AEA PK-12 TNC hooked-up to a Azden PCS-2000 fed by a GPS
<SNIP>
>8. Connect TNC to radio and GPS.

>   Now it should be working but it is not. The TNC is not keying the
>radio. I know that it has    to receive a valid GPS sentence to
>transmit. I have even tried putting the GPS in Simulator    mode and
>giving it a heading and course. I have tried setting GPS to NMEA/NMEA &
>NONE/NMEA.    Also tried both NMEA 0183 1.5 and NMEA 2.0
>

## 952. Re: [APRSSIG:13071] Re: Oh my technological God!

From: rwf <rwf@mindspring.com>
Date: Thu, 29 May 1997 08:39:24 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529083241.00a2cee0@ccegate.cokecce.com>
Rendered body type: text/plain

Not an APRS subject, but entirely related to our mobile operations:

Actually Mark. Your boss will not have to worry about a surcharge if he
answered "Yes" to the RADAR detector question.   As the first Company to
give LASER speed guns to State Patrols, their policy (as I have always
heard) is to CANCEL if you answer "Yes".  I have never tested the question
about the other gear, but I'll bet there is a similar policy.

A word to the wise...

At 03:32 AM 5/29/97 -0500, Mark wrote:
  My boss just
>recently changed insurance companies to GEICO, and they asked if he had any
>electronics in his car, like:  Cell Phones, 2-way radios, radar detectors,
>etc.  And I don't think those were benevolent questions.  It seems to me
>that they were inquiring so they could tack that on to his bill on some
>kind of actuarial basis.

## 953. Mic-E Unit plus Info Request

From: David Dunster <riders@sk.sympatico.ca>
Date: Thu, 29 May 1997 06:50:01 -0600
To: aprssig@tapr.org
Message-ID: <338D7B79.65FC@sk.sympatico.ca>
Rendered body type: text/plain

I've been trying to get info from TAPR as to whether they have any of
these units in stock but can't get a reply. Anyone on here know if they
do have any units?

Anyone using the Eagle "View" GPS with APRS?  If so, how well is it
working?

MIM module, anyone using it and to what effect?

MFJ 1274 TNC2 Packet controller, can it be upgraded to accept GPS
input.

First APRS meeeting coming to Regina first part of June. We hope to
stimulate a group of about 10+ people into using it for events around
Regina. Have a big 150K MS Bike tour in August we want to use trackers
with.

It would appear the best tracker you can build is with a KPC3+ and a
Tripmate. Not available in Canada (tis a pitty).

For those of you who don't know, it appears that 144.39 Mhz is the
choice for APRS in Canada.

Will await replys on the above as I've got money to spend and want to
be tracking before middle of June.

Any assistance muchly appreciated.

David Dunster, VE5DGD
Regina Saskatchewan (where it has never snowed in July !)

## 954. Wx and other public safety uses

From: Nick <nick@cycat.com>
Date: Thu, 29 May 1997 09:06:07 -0400
To: aprssig@tapr.org
Message-ID: <338D7F3F.3E8E@cycat.com>
Rendered body type: text/plain

As the SkyWarn Manager for my county, having Wx stations reporting on APRS is very important (as long as people keep their stations operational during storms!). It's most helpful to have an idea of winds during a storm, especially max winds with time of occurance and time of wind gusts exceeding a pre-determined value. I believe that most, if not all, this info is available through current APRS versions and Wx station software, so I urge those of you with Wx stations to set them up to transmit wind data especially when it exceeds a set limit.

Also, was watching NOVA on PBS last night dealing with earthquakes. They showed the use of a very cheap accelerometer sensor used in cars to trigger airbag deployment. Geologists were using this to set up numerous, very cheap, monitoring stations to monitor certain aspects of ground movement.

I remember reading on the SIG about some use of APRS to transmit flood level warnings, or data, or something like that and was wondering if anyone has contemplated using APRS to report ground movement in the earthquake regions. What an opportunity for Amateur Radio to step forward and shine again!

How 'bout it guys? Can we develop and fine-tune more "public benefit" uses of APRS? Food for Thought.

Keith, KF4BXT
keith.kotch@cycat.com

## 955. Re: [APRSSIG:13060] DOS APRS and SA4

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 09:23:09 -0400 (EDT)
To: Gary Sanders <gsanders@gte.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529092120.12110C-100000@arctic>
Rendered body type: text/plain

On Wed, 28 May 1997, Gary Sanders wrote:

> One other question. I'm using DOS APRS 791 at home, and have the
> second port set up to send data to another pc running SA4....
> ... However, data is only sent to the SA4 machine the one
> time I hook it - there are no subsequent position updates...

APRSdos REPLY/COMMENT: Go to P-LIST and HOOK the stations you want to track. THen select T for track. ALl stations marked with a T will be automatically tracked on the other computer...

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 956. Re: [APRSSIG:13066] Re: $GPGGA vs. $GPRMC ?

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 09:31:07 -0400 (EDT)
To: "James P. Gill" <jimgill@probe.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529092725.12110E-100000@arctic>
Rendered body type: text/plain

On Thu, 29 May 1997, James P. Gill wrote:

> Mark, I have had my KPC3+ set up to send both RMC as GPSHEAD 1 and GGA
> as GPSHEAD 2, with GGA sent a few seconds after RMC for each time..
>
> Will this then force the APRSdos machines that are out there to see the
> last posit each time, the GGA, and as such ignore the speed and course?

APRSdos REPLY/COMMENT: Good idea. Yes it should. And of course, everyone is right, that you dont have F6 on a tracker :-).

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 957. Dayton Pico Packet problem

From: "Facciolo, Mike (SUPP)" <Mike.Facciolo@SUPPLY.GE.com>
Date: Thu, 29 May 1997 09:25:45 -0400
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <30774C9EA7A5D011BD3900805FEA06AF010C56@CIN01XBMAILGE>
Rendered body type: text/plain

I have been viewing all the messages on the Pico packet this week. My
brother ,KD4UWU, also purchased one at Dayton. His has locked up
completely. He can not get it into the cmd: mode. It will receive
packets and display them both in APRS and with the Pico terminal
software. Does anyone know how to reset the Pico. I know the KPC3 has a
jumper in it to do this. There does not seem to be any docs. with the
Pico on a hard reset.

If you can help please send a reply.

Thanks,
 de Mike, KB8IFX

Michael J. Facciolo
E-Mail: Mike.Facciolo@supply.ge.com

## 958. Re: [APRSSIG:13018] RE: Coordinate diffence DOS vs Mac/WinAP

From: John Cotton <John.Cotton@faa.dot.gov>
Date: 29 May 1997 09:39:56 -0400
To: aprssig@tapr.org (Return requested)
Message-ID: <062AB338D872C054*/c=US/admd=ATTmail/prmd=gov+dot/o=faa/s=Cotton/g=John/@MHS>
Rendered body type: text/plain

---------- Forwarded ----------
From: John Cotton at AND
Date: 5/28/97 10:58AM
To: <rwf@mindspring.com> at SMTPGATE
Subject: Re: [APRSSIG:13018] RE: Coordinate diffence DOS vs Mac/WinAP
---

     Well, describing geographic coordinates in a decimal format is not
     necessarily more accurate than using the degree/minute/second format.
     In this particular case, I would say it is just a different
     mathematical expression.  For example, if you use a common ruler
     graduated in 1/8 inch increments, you'll never achieve greater
     accuracy than that no matter how you express it.  You can express that
     same 1/8 inch as .1250 inches, but it would be wrong to infer from
     that expression that the measurement was taken with 1/10,000th of an
     inch accuracy.  An expression converted from a format using a less
     accurate measurement technique does not make that measurement more
     accurate -- a measurement taken with a ruler can never be as accurate
     as a measurement taken with a micrometer no matter how it is expressed
     (assuming proper technique, of course).  Standardization with the NMEA
     output format seems to be a more compelling rationale.

     John
     W0ACQ


_____ Reply Separator _____
Subject: [APRSSIG:13018] RE: Coordinate diffence DOS vs Mac/WinAPRS
Author:  <rwf@mindspring.com> at SMTPGATE
Date:    5/27/97 2:22 PM

How about just migrating to whatever GPSs put out in their native, NMEA
form- since we seem to be focusing more and more on GPS and decimal is more
accurate.

Ralph

At 11:36 AM 5/27/97 -0500, you wrote:
>
>
>I suppose know, I should make it so that you can enter either one or the
>other, but the problem with that is the dialog boxes are large and complex
>enough as it is..
>

## 959. Boy Scouts JAMBOREE

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 09:52:45 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529095005.20797A-100000@arctic>
Rendered body type: text/plain

35,000 Boy Scouts come from all over the country to a site near
Fredericksburg Va betweeen July 23rd to Aug 5th.  It would be nice to have
an operating APRS station and digi in the area to handle tracking.  If
anyone on this SIG is gonna be there, bring your trackers!  If anyone else
can help out, please let me know...  Thanks.

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 960. APRS clock

From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
Date: Thu, 29 May 1997 08:48:30 -0500
To: aprssig@tapr.org
Message-ID: <1.5.4.32.19970529134830.006e3c00@tbcnet.com>
Rendered body type: text/plain

Hi all,
A comment from Jeff Brenton got me thinking:

What are the chances of the APRS program getting its time info from the TNC
clock rather than the computer clock?

It it were from the TNC clock, then those of us with remote sysop
capabilities could set the clocks from home, rather than bother the tower
owner's chief engineer for access, causing him to get tired of us APRS-users
and kicking us off the tower.  :-)

jbl
---
J Barry Leonard/N9VJQ  DeKalb IL  E-MAIL mailto:jleonard@tbcnet.com
WWW Home Page http://tbcnet.com/~jleonard/n9vjq.htm
American Red Cross Disaster Services - DeKalb Co Chapter

## 961. Re: [APRSSIG:13060] DOS APRS and SA4

From: Gary Sanders <gsanders@gte.net>
Date: Thu, 29 May 1997 10:27:00 -0400
To: aprssig@tapr.org
Message-ID: <338D9234.26A6@gte.net>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> On Wed, 28 May 1997, Gary Sanders wrote:
>
> > One other question.  I'm using DOS APRS 791 at home, and have the
> > second port set up to send data to another pc running SA4....
> > ...  However, data is only sent to the SA4 machine the one
> > time I hook it - there are no subsequent position updates...
>
> APRSdos REPLY/COMMENT:  Go to P-LIST and HOOK the stations you want to
> track.  THen select T for track.  ALl stations marked with a T will be
> automatically tracked on the other computer...
>
> Reply mail addr:   wb4apr@amsat.org
> US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
> See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
> See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
> See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

Bob,

Thank you for the quick response.  Sorry I overlooked this in the
documentation.

Gary Sanders    WB0BZR
gsanders@gte.net

## 962. Re: [APRSSIG:13084] RE: Coordinate diffence DOS vs Mac/WinAP

From: Jeff Brenton <jeffb@stans.com>
Date: Thu, 29 May 1997 09:31:19 -0500

To: John.Cotton@faa.dot.gov
Cc: aprssig@tapr.org
Message-ID: <338D9337.20F2@stans.com>
Rendered body type: text/plain

While it is true that a resolution expressed in seconds are no more
accurate than the same resolution expressed in decimal minutes, most of
the GPS units are working in .01 or .001 minute increments, which would
lose precision when converted to "just" seconds notation.

Actually, the GPS units are PROBABLY working in radians, and converting
that to degrees, minutes and decimal minutes... but that's an internal
issue that has no meaning to 99.9999% of GPS users! B-)

John Cotton wrote:
> Well, describing geographic coordinates in a decimal format is not
> necessarily more accurate than using the degree/minute/second format.
> In this particular case, I would say it is just a different
> mathematical expression. For example, if you use a common ruler
> graduated in 1/8 inch increments, you'll never achieve greater
> accuracy than that no matter how you express it. You can express that
> same 1/8 inch as .1250 inches, but it would be wrong to infer from
> that expression that the measurement was taken with 1/10,000th of an
> inch accuracy. An expression converted from a format using a less
> accurate measurement technique does not make that measurement more
> accurate -- a measurement taken with a ruler can never be as accurate
> as a measurement taken with a micrometer no matter how it is expressed
> (assuming proper technique, of course). Standardization with the NMEA
> output format seems to be a more compelling rationale.

## 963. Special EVENT WEB page

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 10:47:24 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529095249.20797B-100000@arctic>
Rendered body type: text/plain

I have set up a WEB page called SPECIAL EVENT. If you are participating
in an APRS special event that you think diserves a WEB page, simply FTP a
TNC capture file of your data to my site, and it will show up for
everyone. My site will check for a new file ever 10 minutes, I think...

This is fully automatic on my end, but we do need to exercise coordination
control so that we know who wants to use the site when.

1) send a BRIEF msg to me requesting the dates you want to use the page
2) I will send back the exact FTP site address for uploading your two
   files. The .TNC file and your best .MP file...

See SPECIAL EVENTS live: http://web.usna.navy.mil/~bruninga/special.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 964. Re: [APRSSIG:13084] RE: Coordinate diffence DOS vs Mac/WinAP

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 10:59:03 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529105637.20797D-100000@arctic>
Rendered body type: text/plain

The context of this statment is in the fixed length format of
available digits. GIven that we only have 6 bytes for LATITUDE, then using
the last 2 for hundredths has greater precision than using it for
seconds..

On Thu, 29 May 1997, John Cotton wrote:

>
> ---------- Forwarded ----------
> From: John Cotton at AND
> Date: 5/28/97 10:58AM
> To: <rwf@mindspring.com> at SMTPGATE
> Subject: Re: [APRSSIG:13018] RE: Coordinate diffence DOS vs Mac/WinAP
> ---
>
> Well, describing geographic coordinates in a decimal format is not
> necessarily more accurate than using the degree/minute/second format.
> In this particular case, I would say it is just a different

```
>      mathematical expression.  For example, if you use a common ruler
>      graduated in 1/8 inch increments, you'll never achieve greater
>      accuracy than that no matter how you express it.  You can express that
>      same 1/8 inch as .1250 inches, but it would be wrong to infer from
>      that expression that the measurement was taken with 1/10,000th of an
>      inch accuracy.  An expression converted from a format using a less
>      accurate measurement technique does not make that measurement more
>      accurate -- a measurement taken with a ruler can never be as accurate
>      as a measurement taken with a micrometer no matter how it is expressed
>      (assuming proper technique, of course).  Standardization with the NMEA
>      output format seems to be a more compelling rationale.
>
>      John
>      W0ACQ
>
>
> ______________________________ Reply Separator _________________________________
> Subject: [APRSSIG:13018] RE: Coordinate diffence DOS vs Mac/WinAPRS
> Author:  <rwf@mindspring.com> at SMTPGATE
> Date:    5/27/97 2:22 PM
>
>
>
> How about just migrating to whatever GPSs put out in their native, NMEA
> form- since we seem to be focusing more and more on GPS and decimal is more
> accurate.
>
> Ralph
>
>
>
>
>
> At 11:36 AM 5/27/97 -0500, you wrote:
> >
> >
> >I suppose know, I should make it so that you can enter either one or the
> >other, but the problem with that is the dialog boxes are large and complex
> >enough as it is..
> >
>
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html
```

## 965. Re: $GPGGA vs. $GPRMC ?

From: David McCarthy <davidmc@goodnet.com>
Date: Thu, 29 May 1997 08:04:06 -0700
To: sparkfel@primenet.com
Cc: aprssig@tapr.org
Message-ID: <338D9A9C.68E9@goodnet.com>
Rendered body type: text/plain

```
I agree with Mark with regards to GGA vs RMC.  I have been experimenting
with both of them.  Hard to tell if DR helps any.  What really adds to
the traffic in the freq is trackers send BOTH out.

White Tanks WIDE digi update:  Almost all the parts have been
assembled.  A new Pico TNC has been ordered for this.  Its callsign
substition and other APRS friendly features sound like the best option
to use.  Hope it proves to be dependable.  We have an antenna for the
tower. Mounting brackets are being made this week. We have hardline and
isolator.  Channel elemts are on order for the radio. Still need a set
of cavaties.

Hope to have up by July.
--
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/
David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
ARRL - ARES - Skywarn - APRS - ARC Disaster Communications
email: davidmc@goodnet.com   packet: kc7ayx@kc7y.az.usa.noam
```

Visit the family homepage: http://www.goodnet.com/~davidmc
_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/

## 966. Re: [APRSSIG:13074] Re: $GPGGA vs. $GPRMC ?

From: Robert Schiers <schiers@ames.net>
Date: Thu, 29 May 1997 12:21:53 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529122151.006ba564@pop3.ames.net>
Rendered body type: text/plain

Geez Guys,

I thought I asked a simple, non-controversial question and look at what reared it's ugly head. There must be something strange in the water of late.

I wanted to know how to make the change from GGA to RMC and if there were any reasons not to do it. Fair enough....

I got several statements about why not to do it:

1. I'm asking for a speeding ticket (Thanks John!)
2. The info provided by RMC is not very interesting.
   (Obviously a matter of opinion.)
3. It will screw up dead reconing if radio turned off b4
   showing 0 mph.

I got several statements about why to do it:

1. Altitude is not very relevant if not in the mountains.
2. Altitude is not very accurate, i.e., resolution is poor.
3. Speed and course at the click of an icon is interesting.
4. Historical data on speed and course is more interesting
   than historical altitude data if you live in the flatlands.

Of course, I observed a bunch of silly rancor on who was "right", as if there were any right or wrong to a simple preference as to which data sentence to use (or both).

My conclusions:

1. Thanks to all of you who told me how to do it...it was simple.
2. I am more interested in speed variations than altitude.
3. I am putting the data out for my own interest, not someone
   elses ability to dead recon my vehicle.
4. I don't speed excessively 59/55 and 69/65 mph.

5. I'm astounded at the kind of things that bring out hostile
   behavior on this SIG.

As a professional in the mental health area for over twenty years, I am beginning to wonder about you guys. Heck, I'm even beginning to doubt myself...and I never used to have THAT problem until I showed up here a few years ago.

So, get a grip....take a deep breath...and use the delete key before you send out an ill-tempered diatribe that belittles other people. It's downright embarassing the kinds of things that people will say to each other in public, no less.

Have we no shame at all any longer? (I am probably dating myself as an old fart...mea culpa.)

Please, lighten up. I asked a simple question and requested opinions. I did not mean to start a thread for people to call each other names, refer to each other's positions as assinine, etc. Maybe I should look at doing a bulk order of Prosac and emailing it to the "too tightly wrapped" among us...

73,

## 967. FW: [APRSSIG:13083] Dayton Pico Packet problem

From: "Facciolo, Mike (SUPP)" <Mike.Facciolo@SUPPLY.GE.com>
Date: Thu, 29 May 1997 14:10:36 -0400
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Message-ID: <30774C9EA7A5D011BD3900805FEA06AF010C59@CIN01XBMAILGE>
Rendered body type: text/plain

The problem is now solved. It was put into gps mode.
Thanks.

> Subject:      Re: [APRSSIG:13083] Dayton Pico Packet problem
>
> Sounds like he typed "GPS".  I am not sure of the command, but the
> manyual
> tells how to get it out of GPS mode.
>
>
>
> At 08:29 AM 5/29/97 -0500, you wrote:
> >I have been viewing all the messages on the Pico packet this week. My
> >brother ,KD4UWU, also purchased one at Dayton. His has locked up
> >completely. He can not get it into the cmd: mode. It will receive
> >packets and display them both in APRS and with the Pico terminal
> >software. Does anyone know how to reset the Pico. I know the KPC3 has
> a
> >jumper in it to do this. There does not seem to be any docs. with the
> >Pico on a hard reset.
> >
> >If you can help please send a reply.
> >
> >Thanks,
> > de Mike, KB8IFX
> >
> >Michael J. Facciolo
> >E-Mail: Mike.Facciolo@supply.ge.com
> >
> >
>

## 968. Re: [APRSSIG:13093] FW: Dayton Pico Packet problem

From: rwf <rwf@mindspring.com>
Date: Thu, 29 May 1997 15:20:50 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529152047.00a939e0@ccegate.cokecce.com>
Rendered body type: text/plain

At 01:18 PM 5/29/97 -0500, you wrote:
>The problem is now solved. It was put into gps mode.
>Thanks.

You're welcome!

Ralph Fowler, N4NEQ   S.E.R.A. ATV Technical Advisor   Author of TIBBS(tm)

Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask
me how!

## 969. RE: [APRSSIG:13092] Re: $GPGGA vs. $GPRMC ?

From: hwm@netcom.com
Date: Thu, 29 May 1997 12:45:29 -0700 (PDT)
To: Robert Schiers <schiers@ames.net>
Cc: aprssig@tapr.org
Message-ID: <XFMail.970529124529.hwm@netcom.com>
Rendered body type: text/plain

On 29-May-97 Robert Schiers wrote:
>Geez Guys,
>
>Maybe I should look at doing a bulk order of Prosac and
>emailing it to the "too tightly wrapped" among us...

  If I post a nasty comment can I get in on the group buy also? :-)

Bob - wd6dod
E-Mail: hwm@netcom.com
Date: 29-May-97
Time: 12:42:13   _____XF-Mail

## 970. Re: [APRSSIG:13073] New to Aprs

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 29 May 1997 14:43:43 -0600 (MDT)
To: ka1eui@juno.com
Cc: aprssig@tapr.org, handiham@mtn.org
Message-ID: <Pine.SUN.3.96.970529142959.630E-100000@flatland.dimensional.com>
Rendered body type: text/plain

On Thu, 29 May 1997 ka1eui@juno.com wrote:

> Good day, I am new to APRS, my name is Jim and my call is KA1EUI.  So
> far, I've been monitoring in my area (Cape Cod MA) and I see everyone's
> shack, and we all just sit there and nothing happens.   What I'd like to
> know is what other hams in other parts of the country are doing?  Do you
> guys ever have qso's on freq?  Please bear with me, as I think aprs is
> great, and I'm trying to learn as fast as I can.  I have one application
> that I'd really like to pursue.  We have a young man in the area who is
> handicapped, and would like to compete in marathons.  Very often he is
> the only wheelchair athlete, and we would like to have a way to "track"
> his progress.  APRS to me seems ideal!  Any input will be much
> appreciated!

Hi Jim:

First of all, WELCOME TO THE SIG!!!  :-)

Now to answer your question regarding the person in the wheelchair who
likes to participate in athletic events, are we to assume you mean something
by way of the Special Olympics???  I dunno if you have read Stan Horpenza's,
WA1LOU, article written for the ARRL Handbook, but you can install a *COMPLETE*
APRS stand alone tracker inside a shoe or cigar box (minus the antenna, of
course).

Once you've done that, just put the box someplace where he won't feel
bothered or distracted by its presence (sp?) and you should be able to
track him/her just as though they were riding a bicycle.

I plan on installing a similar setup in the rear basket of my 3-wheeler as
a stand alone tracker (though I may be gatewayed onto HF) if for no other
reason than to KNOW where my bike is at ALL times and to ensure that it is
properly recovered if it's ever stolen.

I'm sending a Cc of this message to the HandiHams organization as maybe
they might have some other helpful tips and other useful information.

Good Luck and once again WELCOME TO APRS AND TO THE SIG!!!  :-)

73's for now my friends!!  :-)

Patrick Cook, KB0OXD (Not currently active on the APRS airwaves yet....)
Denver, Colorado

## 971. Re: [APRSSIG:13075] Re: That's what I get...

From: Patrick Cook <patcook@dimensional.com>
Date: Thu, 29 May 1997 14:49:09 -0600 (MDT)
To: William Nolle <wa8inz@mindspring.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SUN.3.96.970529144445.630F-100000@flatland.dimensional.com>
Rendered body type: text/plain

On Thu, 29 May 1997, William Nolle wrote:

> Jim Duncan, KU0G wrote:
> >
> > OK, this is what I get for trying to function while ill...

[snip!!!]

> > Mr. Nolle, I apologize for my biting remark in my original sig posting
> > of last week.  By making such a statement I lowered myself to your level
> > which I am not proud of.

[snip!!!]

> Jim you just won't give up will you!. Now your blaming all this on a
> medical condition. You are not apologizing because in the same sentence
> you are doing the same thing you have been doing both on the sig and
> with private e-mail to me and now your attemting to save face. Again i

> say PLEASE just get off of my back. Why is it everytime i post something

[snip!!!]

PLEASE take this to PRIVATE email!!!!  It's messages like these that make
lists like this start to look like the r.r.a.m. newsgroup AND I WON'T TAKE
IT ANY LONGER!!!!!

Stan, please do something about this.....

73's for now my friends!!  :-)

Patrick, KB0OXD
Denver, Colorado

## 972. APRS & NWS Sites..

From: "William B. Bliss" <wbliss@coastside.net>
Date: Thu, 29 May 1997 13:55:48 -0700
To: aprssig@tapr.org
Cc: wh6dt@amsat.org, cap@cruzio.com, Joseph.Lachacz@noaa.gov
Message-ID: <199705292055.NAA11807@poseidon.coastside.net>
Rendered body type: text/plain

Hi All,
   How about a .POS Data file on all NWS Forecast Office
sites which now have APRS Installed. I mentioned this once
before and received ONE reply from Larry/K9ORP at the NWS
office ILX, Lincoln Il. on 445.925/9600baud

K9ORP-6 @XXXXXXz4009.12N/08920.21WW ILX, Lincoln, Il. NWS

  Our NWS MRY Office now has APRS installed

WH6DT @291959z3635.55N/121512.25WW NWS Monterey Forecast Office-792

  Also have been advised by Joe/N2SYJ that the Oxnard, CA (LAX) area
NWS Office is on 145.79 now has APRS installed as well as an NSYS full
service BBS on 145.61 offering full time Weather and Warnings, with
Modem login. Their Lat/Lon is forthcoming.

  Believe KC has an NWS with aprs as well as NHC, in Miami, and
there are others in midwest, east and Fla. So please input some
posit/call data for a .POS file. Perhaps the Map makers can
input these NWS locations permanently in the developing maps,
if so inclined.

   Locations of NWS offices with APRS available, seems to me
more important, than Radio Shack or Electronic store .POS files..
   Hi.. Slam Bam thank you mam..

  Ok how about it, SUPPORT YOUR LOCAL NWS/APRS OFFICES.. How
about more than one input for a complete data file.. ???????

    73's & Enjoy or Endure, Bill/WB6LPG BAY AREA HF GATE STA.

NNNN

## 973. Re: [APRSSIG:13080] Wx and other public safety uses

From: thomasr@ten-nash.ten.k12.tn.us
Date: Thu, 29 May 1997 17:47:22 -0600 (CST)
To: Nick <nick@cycat.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.PMDF.3.95.970529165432.543162724C-100000@ten-nash.ten.k12.tn.us>
Rendered body type: text/plain

this is a very good point nick. i've been thinking about an alarm system
that would trigger one of those little digital recording boards or an
audio tape loop with a BLN, message, or other sentence into the rig. one
thing we must not forget...fm packet uses audio input. this could be
easily done with a PTT switch and play switch triggered by the alarm
sensor. a timer could retrigger the circuit at preset intervals if needed.
the BLN, or other aprs compatible packet would then be sent out to the
network with it's pre-recorded message such as a BLN, posit with a
non-fading symbol designating the nature of the alarm and it's position.
because of the nature of aprs, i'm sure the wheels and cogs are spinning
now! just think about it, we could have instant network wide warnings from
all sorts of alarm systems....WX, car theft, earthquakes, and all the
usual repeater site warning indicators....low battery voltage, power off,
intruder, temperature, etc. the BLN sentence could be sent, then after a

delay, the posit could be sent. of course, all this could be done easily
if our tnc's had I/O input for the sensors. then when the sensor was
triggered, the tnc would send out the packet sentence, or other user
defined info at a predetermined time. the protocal could be such that a
message from the tnc's mailbox could be sent via the unproto path. how
about a MIM module that was programed to all this? just a few thought
here. anyone interested in sensors of all types needs to check out those
tiny little booklets by Forrest Mims at radio shack. 73, bob thomas, ks4ng
:-)

On Thu, 29 May 1997, Nick wrote:

> As the SkyWarn Manager for my county, having Wx stations reporting on
> APRS is very important (as long as people keep their stations
> operational during storms!).  It's most helpful to have an idea of winds
> during a storm, especially max winds with time of occurance and time of
> wind gusts exceeding a pre-determined value. I believe that most, if not
> all, this info is available through current APRS versions and Wx station
> software, so I urge those of you with Wx stations to set them up to
> transmit wind data especially when it exceeds a set limit.
>
> Also, was watching NOVA on PBS last night dealing with earthquakes.
> They showed the use of a very cheap accelerometer sensor used in cars to
> trigger airbag deployment. Geologists were using this to set up
> numerous, very cheap, monitoring stations to monitor certain aspects of
> ground movement.
>
> I remember reading on the SIG about some use of APRS to transmit flood
> level warnings, or data, or something like that and was wondering if
> anyone has contemplated using APRS to report ground movement in the
> earthquake regions.  What an opportunity for Amateur Radio to step
> forward and shine again!
>
> How 'bout it guys?  Can we develop and fine-tune more "public benefit"
> uses of APRS?  Food for Thought.
>
> Keith, KF4BXT
> keith.kotch@cycat.com
>
>

## 974. Re: [APRSSIG:13098] APRS & NWS Sites..

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 18:56:27 -0400 (EDT)
To: "William B. Bliss" <wbliss@coastside.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529185416.9681D-100000@arctic>
Rendered body type: text/plain

On Thu, 29 May 1997, William B. Bliss wrote:

> Hi All,
>    How about a .POS Data file on all NWS Forecast Office
> sites which now have APRS Installed.

APRSdos REPLY/COMMENT:  SImple.  How about we make all the NWS sites in
the existing NWSPOSN.POS file that have APRS be GREEN?  We can do that by
simply changing the "/" to a "\" between the LAT/LONG.  So, Everyone with
such a site, please lemme know the NWS station ID and I will edit my
file...

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 975. TRAKNET/Pacsat link program

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 19:04:33 -0400 (EDT)
To: aprssig@tapr.org
Cc: amsat-bb@amsat.org
Message-ID: <Pine.SOL.3.96.970529185805.9681E-100000@arctic>
Rendered body type: text/plain

I just updated the APRSLINK program that I had posted last week, since I
was informed that most PACSAT software operates the TNC in KISS mode.
Therefore this new version of APRSlink will monitor the KISS Pacsat TNC
for any UI position reports on COM2 and then pass those over to the APRS

TNC on COM1.  This way, any mobile Posit/Status reports that get through
the pacsat will get forwarded into the area APRS networks while your
normal PACSAT ground station operates normally on your main PC.  APRSlink
can run on any old dos PC with 2 comm ports.

For more info on TRAKNET, see this months issue of the AMSAT journal.

The latest APRSlink.exe can be found at tapr.org in the tapr/SIG/aprssig/
files/dosstuff/APRSdos area as aprslink.zip.

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 976. Re: Crashes, Win96 & APRS/DOS

From: Bob Merchant <KB8AST@mwweb.com>
Date: Thu, 29 May 1997 18:58:30 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970529185830.0069f3a8@MAIL.mwweb.com>
Rendered body type: text/enriched

I've noted with some interest those who are having problems with

their APRS stations shutting down when a screen saver activates.

There are a couple of things I am doing and have not been

experiencing the type of problems you are describing.

1. I am running Windows95.
2. I am running DOS/APRS in a dos window.
3. I do permit my screen saver to function. It is the Point Cast

   screen saver, and belive me, there is a lot of activity

   running along with APRS.
4. Eudora is also running, and from time to time, boots, and

   collects lots of SIG activity...
5. My DOS/APRS boot properties are set for about 25% sensitivity

   when running in the background, and I do not suspend the

   activity when the window is closed. Those setting are in the

   "MISC" page of your "PROPERTIES" for your APRS*.PIF boot file.

I realize it is something you probably have made sure is correct,

and if you have not, maybe something as simple as examining the

program properties may eliminate some of your problems. If you

have a lot of activity for APRS to process, you might want to experiment with the sensitivity. If you are not setup sensitive

enough, you may be bring garbage into your system with the tnc

information, because of tnc buffer overflow. On the other hand, if

you are too sensitive, your system will be slow when doing other

tasks. Food for thought....

73, de Bob,

<color><param>0000,0000,ffff</param>KB8AST@mwweb.com

</color>KB8AST@KB8AST.#NEOH.OH.USA.NOAM

http://www.mwweb.com/kb8ast/kb8ast.htm

## 977. BSA Jamboree MAP needed

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 18:52:24 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529184807.9681C-100000@arctic>
Rendered body type: text/plain

If anyone has the 100K USGS CD ROM for Virginia, it would be a great
service to make a set of maps centered on 3807N and 07717W going out at
least 8 miles radius.  THis is a SPARSE area, so you can probably make 2.2
mile radius maps and easily stay within the 3K dos limit.

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 978. Re: [APRSSIG:13099] Re: Wx and other public safety uses

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Thu, 29 May 1997 20:05:15 -0400 (EDT)
To: thomasr@ten-nash.ten.k12.tn.us
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970529194814.12608A-100000@arctic>
Rendered body type: text/plain

On Thu, 29 May 1997 thomasr@ten-nash.ten.k12.tn.us wrote:

> [snip]...    I 've been thinking about an alarm system
> that would trigger one of those little digital recording boards or ...
> non-fading symbol designating the nature of the alarm and it's position.
> ... just think, we could have instant network wide warnings from
> all sorts of alarm systems....WX, car theft, earthquakes, and all the
> usual repeater site warning indicators....low battery voltage, power off,
> intruder, temperature, etc.

APRSdos REPLY/COMMENT: This is all built into the MIM or the APRS Mic-E.

SImply hook it to a radio and set the POS rate to once every 2 minutes.
Now, rotate the PERIOD Pot to "times 16" so that the actual ON-AIR rate is
once every 32 minutes.  Set the MESSAGE to "off-duty".  This little
message every half hour lets you know that your "alarm" system is alive...

Next put the alarm systems posit in its BText so that it appears on the
map.  Finally, connect bits from your alarm system to the 2 higher order
MESsAGE switch bits. and connect the ALARM switch to the PERIOD POT.

When the alarm contacts close, this forces the PERIOD POT to zero which
not only sends an IMMEDIATE PACKET, but also leaves it at the 2 minute
rate.  If you also grounded the two message bits, then the POSIT contains
either the message "PRIORITY" or EMERGENCY, depending on which 2 message
bits you grounded.

All APRS software that hears these posits, will trigger an ALARM and will
home the map to the location of the MIM/Mic-E.   Also you can go to the
TELEMETRY screen and see the values on the three A/D inputs!

Like I say, its all there.  ALl you have to do is hook it up and ground
the proper pins as needed!  If you dont want to clutter the map with
benign alarms at the 32 minute rate, simply set a permanent 1
minute rate and disable the PTT until the ALARM goes off...

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 979. Re: [APRSSIG:13054] Re: $GPGGA vs. $GPRMC ?

From: Richard Amirault <amirault@shell2.tiac.net>
Date: Thu, 29 May 1997 21:44:18 -0400 (EDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.BSF.3.96.970529214314.6064A-100000@shell2.tiac.net>
Rendered body type: text/plain

On Wed, 28 May 1997, Bob Bruninga wrote:

> On Wed, 28 May 1997, Richard Amirault wrote:
>
> > I don't use RMC in my tracker because:

> >
> > When I shut down the rig the last posit sent out (with course/speed) will
> > continue to dead reckon even tho I am now parked.
>
> APRSdos REPLY/COMMENT:  When you know you are going to shut down, hit the
> F6 QRT key.  THis will force all of your remaining posits to have 000
> speed.  THis way everyone that copies your last few transmissions will NOT
> DR you and your car will stay in your driveway...

It was my understanding that a "tracker" had *no* computer, and thus no F6
key. (anyway, mine dosen't)

Richard Amirault              N1JDU           Boston, Massachusetts USA
amirault@tiac.net        "Go Fly A Kite"

## 980. Tripmate/MIM Schematic

From: Patrick Baird <pbaird@erols.com>
Date: Thu, 29 May 1997 21:49:39 -0400
To: aprssig@tapr.org
Message-ID: <338E3233.259E@erols.com>
Rendered body type: text/plain

Finally got my tripmate and KPC-3 working. Works better than the
Garmin38/kpc-3 combo. Now I am on to taking the guts out of the Tripmate
and connecting a MIM directly. After researching inputs from the Sig, I
have drawn a schematic connecting the MIM to the Tripmate and using the
DB9 cable for the radio output, with 5v power on pin 9 to Tripmate.
Will make a nice compact tracker hidden in the dash speaker hole.
Would appreciate someone critqueing the design- please email me and I
will email the schematic in gif/jpg format. thanks. pbaird@erols.com

## 981. QSL.Net Back Up!

From: "Brian K. Short" <ke7gh@primenet.com> (by way of "Brian K. Short" <KE7GH@PRIMENET.COM>)
Date: Fri, 30 May 1997 02:12:52 +0100
To: baswaplist@foothill.net, aprssig@tapr.org, forsale-swap@qsl.net
Cc: BitBucket@qsl.net, ham-books@qsl.net, Ham-Software@qsl.net,
        HomeBrew@qsl.net, Mobile-Portable@qsl.net
Message-ID: <3.0.1.32.19970530021252.006e2180@mailhost.primenet.com>
Rendered body type: text/plain

**QSL.Net Back Up!**

Please check my web page:
http://www.qsl.net/k7on

## 982. Portable WX problem

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 29 May 1997 21:47:34 -0500
To: aprssig@tapr.org
Message-ID: <338E3FC6.6453@mindspring.com>
Rendered body type: text/plain

Well i have my portable WX station up and running and working great i
have it beacon through my home QTH but have a problem with that. The
path's set in the LTP 1 and LTP 2 work great, but what do i do with the
Btext string, it's not beaconing through my qth at all. so the result is
everyone gets the data stream but the btext has all zero's for a
position and thereby doesn't put the blue dot on the map. Is there a way
to set a path for the btext also?.
--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 983. Re: APRS Clock

From: "Gerold Baumgartner" <gbaumgartner@worldnet.att.net>
Date: Thu, 29 May 1997 22:20:07 -0500
To: <aprssig@tapr.org>
Message-ID: <19970530032019.AAA15527@boomer>
Rendered body type: text/plain

"John B. Leonard, Jr" <jleonard@tbcnet.com> wrote:

> What are the chances of the APRS program getting its time info from the
TNC
> clock rather than the computer clock?
>
> It it were from the TNC clock, then those of us with remote sysop

> capabilities could set the clocks from home, rather than bother the tower
> owner's chief engineer for access, causing him to get tired of us
APRS-users
> and kicking us off the tower.  :-)

I think it should be possible for APRS to get the correct time from the
satellites.
A very accurate time appears in at least the $GPRMC NMEA sentence, and
probably some
other sentences.   APRS gets the time zone from the user, so it can figure
out what the local time is and set the computer's (and TNC's) clock
accordingly.  The only problem with this is, unless you're in an area where
there are stand-alone trackers, APRS might not see an NMEA sentence with
the time in it for a while.   Some adjustments might be needed to account
for the number of hops the packet took, etc.

Gerry Baumgartner
gbaumgartner@worldnet.att.net

## 984. Re: [APRSSIG:13108] Portable WX problem

From: rwf <rwf@mindspring.com>
Date: Thu, 29 May 1997 23:24:59 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970529232455.00ac01b8@ccegate.cokecce.com>
Rendered body type: text/plain

the Btext is pathed with the plain ole  UN command.  ie:   UN ARS VIA
WA8INZ,WA8INZ-7,WIDE

At 09:57 PM 5/29/97 -0500, you wrote:
 Is there a way
>to set a path for the btext also?.

## 985. Re: APRS-TRAKNET-PACSATS

From: jzaruba@juno.com (John A Zaruba Jr.)
Date: Thu, 29 May 1997 23:49:59 EST
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <19970529.235109.9414.0.jzaruba@juno.com>
Rendered body type: text/plain

Hi Bob,

Now you do KISS ! I've just spent 3 days resurrecting Quiktrak (DOS), KCT
Tracker TSR's, and generally hacking around the DOS environment to get
this puppy working. <g>.

Since I am running APRSLink and PACSAT on the same machine, I have one
request. Change APRSLink to either:

A - Not send an init string to the (PACSAT)TNC on port 2

                -or-

B- Allow a terminal session in OPS-COMM-TNC for port 2 to change the
settings.

I'm running an LL Grace DSP-12 for satellite, and the init string usually
will hose things up to the point that TNC won't go to PACSAT Mode.

73 de John AA2BN
jzaruba@juno.com

P.S. We seem to be chasing each other. When I figured out that I couldn't
just tap the RXD from the PACSAT TNC, I moved the whole operation to one
machine. Then you do this KISS thing. One of us should hold still. I
think it will be me. <g>

## 986. Portable WX fixed

From: William Nolle <wa8inz@mindspring.com>
Date: Thu, 29 May 1997 23:20:39 -0500
To: aprssig@tapr.org
Message-ID: <338E5597.3316@mindspring.com>
Rendered body type: text/plain

Thanks to everyone that send me the correct path to use for the btext. I
did try this before but must have entered it in the wrong format, but
all works great now. Now to mount all this equipment and add the solar
panel. Thaks again guys...

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 987. National APRS Calendar 008

From: henryvb <henryvb@dpliv.com>
Date: Thu, 29 May 1997 18:36:10 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <338E12EA.7C29@dpliv.com>
Rendered body type: text/plain

National APRS Calendar 008

It was suggested by Bob Bruninga, APRSdos Author, that this calendar be
maintained in a common location and be posted weekly to the APRSSig.
NIAN has volunteered to maintain this list. If you have items to add to
the list, send the info as listed in the heading by
e mailto:henryvb@dpliv.com or complete the form at
http://www.geocities.com/CapeCanaveral/Lab/2809/aprscalform.html
New/changed items on this list denoted by "*****".

DATE LOCATION; EVENT; WHAT'S HAPPENING?; FREQS (if any); CONTACT
Ongoing thru Tue 07/01/97; Toronto, ON to Newfoundland; Cabot 500
Flotilla; Flotilla of 90 boats sailing to Newfoundland to
celebrate the 500th anniversary of John Cabot's discovery
of the North American mainland; Freqs: 30M and 7.085;
Contact Tony Wright mailto:twright@ica.net
Maps of the route http://www.peel.com

Mon 06/02/97 -
Fri 06/06/97 Tampa, FL; Florida Governor's Hurricane Conference; Over
2,000 attendees expected, Keith Sproul will demo the new
WinAPRS 2.0.0 in special workshops on Tue 06/03;
Contact Dale Huguley mailto:kg5qd@naples.net

Sat 06/07/97 MO; MS-150 Century Ride; Volunteers needed. 20+ stand-
alone trackers, any/all MIC-E units available, plus people
with laptops and ability to go full APRS mobile. Ride from
Olathe and southwestward and return (one day);
Contact Jim KU0G mailto:ku0g@kcaprs.org;

Sat 06/07/97 1200Z (Rain Date 06/14/97); 8 mi. S of Manhattan, 10 mi.
E of Junction City in Riley Cnty, KS 3905.13N 09639.34W;
Kansas Near Space Project Flight 97A; Balloon launch
w/capsule containing Sky Polarimeter, Solar Radiometer,
High Altitude Rocket Ignitor Test, Glider Drop, Dosemeter,
Geiger Counter, UV Yeast Experiment, Bacteria Culture
Experiment, & Roach-o-naut; Freqs: APRS & telemetry 145.79
ATV: 439.25  Voice 3.964, 147.255 Rptr, 146.670 Rptr;
Contact KNSP http://www.ksu.edu/humec/knsp

Sat 06/07/97 1300-1400 CDT; Arlington, TX; HamCom 1997; APRS
Presentation by Mike Heskett, WB5QLD;
Contact TPRS http://www.tprs.org

Sat 06/14/97 1200-1300Z; Brownsburg, IN 3949.95N 08623.97W; Windtrax-12
Balloon Launch; 2nd balloon launch of the season; Freqs:
APRS 446.000 MHz, also 145.790 & 30M ATV 439.25 MHz. 1.5 W
2 cameras  Voice 444.85 & 52.525 MHz. dn, 144.30 MHz up;
Contact Windtrax http://www.windtrax.org

Sat 06/21/97 1500Z; Atlanta, GA (City Hall East) on Ponce de Leon at
the Old Sears building; Atlanta HamFestival; N4NEQ (Ralph
Fowler) will conduct an APRS forum. Working with Ralph
will be John Lauber (W6PNC) as well as other local APRS
users.; Freqs: APRS 145.790 Voice APRS users use 146.655
Repeater.  Hamfest talkin is on 146.82;
Contact ATL APRS aprs@mindspring.com;
ATL APRS Website http://www.mindspring.com/~rwf/aprs1.html

*Sat 06/21/97 1100Z Vancouver Island, BC; Vancouver Island Boat Race;
* High speed boats piloted by US Coast Guard Auxillary and
* Canadian CoastGuard Aux will leave Victoria, BC for
* counter-clockwise race around VancouverIsland. APRS will
* be along for the ride, in boats, vehicles, and
* surveillance aircraft. Expected duration 22+ hours. Should
* have JavAPRS site; Freqs: 145.790;
* Contact Roger WN7M mailto:rogerwn7m@juno.com

Sat 06/21/97 -
Sun 06/22/97 Albany NY Lyons ? Pittsburgh PA Philadelphia PA Westover
AFB in Western Mass; National Disaster Medical System
(NDMS) MEDSTAR Exercise 97; Typical scenarios are
earthquakes, collapsed stadiums, and Nukes.;
Contact Mike Reik WB9YJF 804-675-5515

Mon 06/23/97 -
Wed 06/25/97 Los Angeles, CA to Yosemite Park, CA; Youth Safety Run;
Annual event involving Police Explorer teams driving a
predetermined course and are scored on time and mileage.
There will be one APRS tracker in a support vehicle. The
ID will be PACCC and the beacon text will include the
call KC6ZGG.;
Contact Keith KC6ZGG mailto:krmorris@earthlink.net

Sat 06/28/97 1800Z -
Sun 06/29/97 1800Z Everyone Everywhere; Field Day; Have an APRS station
@ your Field Day site! Packet counts for points, it's
great publicity, and is certainly emergency related.;
Contact Your local club

Sun 08/03/97 MO; MS-150 Louisburg Pancake Ride; Volunteers needed. 20+
stand-alone trackers, any/all MIC-E units available, plus
people with laptops and ability to go full APRS mobile.
Overland Park (KS) south to Louisburg (KS) and return;
Contact Jim KU0G mailto:ku0g@kcaprs.org

Sat 09/06/97 -
Sun 09/07/97 MO; MS-150 Get-Away Bike Ride; Volunteers needed. 20+
stand-alone trackers, any/all MIC-E units available, plus
people with laptops and ability to go full APRS mobile.
Grandview MO eastward via Pleasant Hill, Kingsville,
Chilhowee, Knob Noster,Sedalia and south to Versailles.;
Contact Jim KU0G mailto:ku0g@kcaprs.org

Sat 09/20/97 Dayton, OH; Dayton AF Marathon; Possibly JavAPRS for this
event.;
Contact Bob Mahoney WB8CXN mailto:rgmahon@worldnet.att.net

Fri 10/10/97 -
Sun 10/12/97 Baltimore, MD; ARRL/TAPR Digital Communications Conference
All-day seminar on APRS among other things. This is the
conference where WinAPRS was concieved in 1995.;
Contact TAPR http://www.tapr.org/dcc

Fri 10/17/97 -
Sun 10/19/97 Toronto, Can; AMSAT Conference;
Contact AMSAT http://www.amsat.org

Sat 10/18/97 Hartford, CT; Hartford Marathon; APRS will again be used
to track key elements in the Hartford Marathon. Plan
includes 6 GPS Standalone Trackers with multiple APRS
screens at Race Headquarters, PA Announcer and other
locations; 145.790 MHz.;
Contact N1QKP, Knut mailto:n1qkp@bigfoot.com
Website http://idt.net/~knutf/htfd.htm

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This page can be accessed thru the NIAN Homepage at:
http://www.geocities.com/CapeCanaveral/Lab/2809

Henry
N9WMM
Official Button Maker, Note Taker, and Web Weaver
Northern Illinois APRS Network
henryvb@dpliv.com

## 988. Band Opening in the southeast

From: LTKFD308@aol.com
Date: Fri, 30 May 1997 09:03:18 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970530090316_-1162962502@emout19.mail.aol.com>
Rendered body type: text/plain

I am seeing a whole lot of activity as far up as n4wyk-9 in NC and n4xwc in
Alabama.
It looks good today.

73

de Bill
N1NFC

## 989. Decorum

From: Ralph Milnes <milnes@openix.com>
Date: Fri, 30 May 1997 09:12:27 -0400
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970530091227.0069bbc8@openix.com>
Rendered body type: text/plain

Robert Schiers wrote:

>So, get a grip....take a deep breath...and use the delete key
>before you send out an ill-tempered diatribe that belittles
>other people. It's downright embarassing the kinds of things
>that people will say to each other in public, no less.

Amen, Robert.

Nicely said and it needed to be said.

Ralph, KB2WBV
Milnes@openix.com

## 990. RE: [APRSSIG:13038] PacComm 4.1 Firmware & Tracker

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 30 May 1997 09:45:31 -0400
To: "'gsanders@gte.net'" <gsanders@gte.net>
Cc: "'APRSSIG'" <aprssig@tapr.org>
Message-ID: <01BC6CDE.38C67140@gwyn>
Rendered body type: text/plain

Gary,

Yes, this does sound like data overrun. Years ago we experienced this quite
a bit when we first started working with GPS receivers and TNCs. Now most
of our TNC CPUs are running 2x or 4x a fast and the code has been
streamlined. Unfortunately that is not an option (the speedup) for the
HK-21.

I do not have any information which may help you with the GPS-20, but there
surely are many on the SIG who can.

Correct, I have been on vacation for 2 days (post Dayton recovery) so the
phone support has been reduced.

Gwyn

----------
From:   Gary Sanders[SMTP:gsanders@gte.net]
Sent:   Wednesday, May 28, 1997 9:39 AM
To:     aprssig@tapr.org
Subject:        [APRSSIG:13038] PacComm 4.1 Firmware & Tracker

I'm trying to assemble a tracker using a Heath HK-21 Pocket Packet
with PacComm version 4.1 firmware and a Garmin GPS20 board.

 - - - - - - - -  deletia

I've also called PacComm, but apparently they are short handed today
and haven't called back either.

A couple of questions:

1.  Does this problem sound to you like a data overrun situation?

2.  Anyone have any ideas how I can get my GPS20 to quit jabbering
    so much?

Thanks in advance for your help.

Gary Sanders    WB0BZR
gsanders@gte.net

## 991. RE: [APRSSIG:13047] $GPGGA vs. $GPRMC ?

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 30 May 1997 09:56:59 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>,
"'schiers@ames.net'"
 <schiers@ames.net>
Message-ID: <01BC6CDF.D1DF2420@gwyn>
Rendered body type: text/plain

Until recently the Trimble GPS receiver supplied with PacComm products
didn't output the GPRMC string. For about the last six months we have been
shipping a later model which does.

Most of the earlier models can be upgraded to support the RMC string, but
you have to ship the unit back to PacComm for this to be done. There is a
modest charge. Please contact me for details.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

---
From: hasan schiers[SMTP:schiers@ames.net]
Sent: Wednesday, May 28, 1997 1:37 PM
To: aprssig@tapr.org
Subject: [APRSSIG:13047] $GPGGA vs. $GPRMC ?

I am running a stand alone Pico packet tracker with Garmin 45 GPS.

Since the beginning, I have been using the $GPGGA data sentence with
the Pico. I have seen several people running the $GPRMC sentence and
putting out course and speed, which seems like a more reasonable
piece of info to put out here in the flat lands.

Could someone tell me what parm I need to change in the Pico to use
the RMC sentence instead of the GGA? Any reason I shouldn't change?

Thanks.

---
hasan schiers, N0AN

schiers@ames.net

## 992. Jamboree maps DONE (fwd)

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 10:24:59 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530102044.26710I-100000@arctic>
Rendered body type: text/plain

OK, Jack did the maps. So now there is potential for APRS at the National
Boy Scouts Jamboree in Fredericksburg Va 23 July to 5 Aug. Now we need to
get the word out. If anyone has any ideas, or knows of places to post the
fact that APRS will be alive at the Jamboree, please do so....

Imagine the HAM Radio tent with a full APRS display of all activities
going on plus trackers all over the place. 35,000 participants. Just
statistics, says that there will be probably 100 hams there.

Reply mail addr: wb4apr@amsat.org
US mail address: 115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

---------- Forwarded message ----------
Date: Thu, 29 May 1997 22:59:36 -0400
From: Jack Anderson <jra@crosslink.net>
To: bruninga@nadn.navy.mil
Subject: Jamboree maps

I whipped up some BSA Jamboree maps...do you want them sent via FTP or
zipped and attached to an email message? If you want FTP, give me the
address of your FTP site.

Jack

## 993. PICO TNC's and others

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 10:54:21 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530105204.26710P-100000@arctic>
Rendered body type: text/plain

I posted APRSd2.zip which was a quick test to see if it solves the
TNC-INIT problems that seems to be cropping up since Dayton (and before in
some TNC's). Havent heard any feedback yet. If you had problems before,
please try this new beta version to see if it solves the problemm...

The down side, is that you will now see the INITIALIZING TNC takes twice
as long.

See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 994. WEB pages down

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 10:57:11 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530105549.26710Q-100000@arctic>
Rendered body type: text/plain

Our site webserver has died. Prognosis unknown. My APRS pages will not
work for now. Ill announce when theey fix it...

YOu will NOT see:
See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 995. RE: [APRSSIG:13109] Re: APRS Clock

From: Gwyn Reedy <gwyn@paccomm.com>
Date: Fri, 30 May 1997 11:08:41 -0400
To: "aprssig@tapr.org" <aprssig@tapr.org>,
"'gbaumgartner@worldnet.att.net'" <gbaumgartner@worldnet.att.net>
Message-ID: <01BC6CE9.D69CA0A0@gwyn>
Rendered body type: text/plain

There are a lot of ways to skin this cat.

IF you use PacComm ver 4 firmware and IF you set CLKSYNC (I hope I
remembered the command right) then the TNC clock is synched to GPS time. So
when the computer reads the time, is should be pretty close. That
eliminates the delay which may occur if the GPS sentence is buffered in the
TNC a while before it is solicited by the computer.

But then, how accurate do you want to be? In one of our commercial
ventures, we're delivering a unit which 'owns' 1/5 of a second as its
location slot. For that, the TNC clocks have to be up to date.

Gwyn Reedy, W1BEL
PacComm Packet Radio Systems

gwyn@paccomm.com
http://www.paccomm.com

----------
From: Gerold Baumgartner[SMTP:gbaumgartner@worldnet.att.net]
Sent: Thursday, May 29, 1997 6:26 PM
To: aprssig@tapr.org
Subject: [APRSSIG:13109] Re: APRS Clock

"John B. Leonard, Jr" <jleonard@tbcnet.com> wrote:

> What are the chances of the APRS program getting its time info from the
TNC
> clock rather than the computer clock?
>
> It it were from the TNC clock, then those of us with remote sysop
> capabilities could set the clocks from home, rather than bother the tower
> owner's chief engineer for access, causing him to get tired of us
APRS-users

> and kicking us off the tower.  :-)

I think it should be possible for APRS to get the correct time from the satellites.
A very accurate time appears in at least the $GPRMC NMEA sentence, and probably some
other sentences.   APRS gets the time zone from the user, so it can figure out what the local time is and set the computer's (and TNC's) clock accordingly.  The only problem with this is, unless you're in an area where there are stand-alone trackers, APRS might not see an NMEA sentence with the time in it for a while.   Some adjustments might be needed to account for the number of hops the packet took, etc.

Gerry Baumgartner
gbaumgartner@worldnet.att.net

## 996. NWS sites with APRS.

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 12:26:08 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530122300.20508C-100000@arctic>
Rendered body type: text/plain

So far, 50% of the reports coming in do not match an entry in the existing NWSPOSNS.POS file.  Please check this file with the MAP-OVERLAY-POSNS-NWS command to see if your site is currnetly listed.  Tell me if it has APRS and it will show up as WHITE in the next APRS release if everyone tells me which ones are using APRS.

If your NWS APRS site is not in the file, then be sure and give me the three letter NAME of it and LAT/LONG...  These are official NWS sites only, not normal APRS volunteer stations.

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 997. APRS @ NWS Sites

From: "William B. Bliss" <wbliss@coastside.net>
Date: Fri, 30 May 1997 10:00:30 -0700
To: aprssig@tapr.org
Cc: bbliss@juno.com
Message-ID: <199705301700.KAA28233@poseidon.coastside.net>
Rendered body type: text/plain

Hi All us siggers...
   Follow up on APRSNWS.POS DATA file. Taking Bob/APRS suggestion on using backslash (\) between Lat\Long for GREEN disignated NWS stations. The NWSPOSN.POS file is a start, and with its 3 letter calls (SFO) and posits appears however to be an old file, and outdated. Many of the combined FAA Flight Service stations and NWS offices have been phased out, and we now have fewer such sites do to downsizing of both FAA and NWS units.
   Am attaching the initial reports I now have, and appears to be newer stations and besides the 3 letter calls, searching the WEB (NWS & NWSFO) there are also 4 letter International call designators, but will stick to the 3 ltr USA Aviation desigs.
  Jim/KU0G, there are 2 designators for Kansas City area MCI and KMCX, which one is correct for your input, please. ?? You sent NWSPH... Which call are you using ?? Tks..

    Any additions, corrections suggestions, will be appreciated
ATTCH: APRSNWS.POS

## 998. Re: [APRSSIG:13118] Jamboree maps DONE (fwd)

From: Nick <nick@cycat.com>
Date: Fri, 30 May 1997 15:54:53 -0400
To: aprssig@tapr.org
Message-ID: <338F308D.71DF@cycat.com>
Rendered body type: text/plain

aprssig@tapr.org wrote:
>
> OK, Jack did the maps.  So now there is potential for APRS at the National
> Boy Scouts Jamboree in Fredericksburg Va 23 July to 5 Aug.  Now we need to
> get the word out. If anyone has any ideas, or knows of places to post the
> fact that APRS will be alive at the Jamboree, please do so....

```
>
> Imagine the HAM Radio tent with a full APRS display of all activities
> going on plus trackers all over the place.  35,000 participants.  Just
> statistics, says that there will be probably 100 hams there.


Check out the National Jamboree Radio Station Site at:
http://www.lightlink.com/bbm/k2bsa.html

A whole section of the National Jamboree Page devoted to Amateur Station
K2BSA which will be in operation.

Contact: Mike Brown, WB2JWD
41 Creamery Road,
Richford, NY 13835.

e-mail him at: bbm@lightlink.com

He might add APRS to his webpage!

Keith, KF4BXT
keith.kotch@cycat.com
```

## 999. Reminder

From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Date: Fri, 30 May 1997 16:08:57 -0500
To: aprssig@tapr.org
Message-ID: <v03102803afb4aa157615@[138.87.2.109]>
Rendered body type: text/plain

```
The FTP files that are uploaded need a text file:  (the future is here)

"The WWW format in the near future will *require* a description along side
of the file name.  The WWW user will read the description and click on the
filename.xxx  Please help the TAPR guys out by providing this information
now so the transition to the HTML format will be smooth. This is true of
any platform."

The JAMMAPS.ZIP are now in:
ftp://ftp.tapr.org/tapr/SIG/aprssig/files/maps/PCMaps/JAMMAPS.ZIP

The text description isn't included as JAMMAPS.TXT so we don't know the
maplist to use with it.  The originator should upload the descriptive file
so I can transfer it to the PCMaps location.




/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord  k9orp@tapr.org
EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
```

## 1000. Re: [APRSSIG:13119] PICO TNC's and others

From: Jeff Brenton <jeffb@stans.com>
Date: Fri, 30 May 1997 16:12:53 -0500
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <338F42D5.3292@stans.com>
Rendered body type: text/plain

```
I put D2 into my laptop and set it out in the car, plugged into my Pico
Packet. This unit had previously exhibited the "state confusion" that
started all this, but not all the time - I had several successful trips,
followed by 3 out of 4 trips without PTT control. The PicoPacket in
question was purchased in March, and had the then-latest software.

So far, in the last 3+ hours, it's been working fine... just went out to
send a reply to a message from another tracker, which I monitored here
at the office.

I'll leave it running as much as possible over the weekend, and see if
it loses sync with the TNC. Actually, I'll shut it down and restart it
fairly often, since it was USUALLY when it had been F6'd, shut down,
then restarted later, that the problem showed up.

de KA9VNV

Bob Bruninga wrote:
```

>
> I posted APRSd2.zip which was a quick test to see if it solves the
> TNC-INIT problems that seems to be cropping up since Dayton (and before in
> some TNC's).  Havent heard any feedback yet.  If you had problems before,
> please try this new beta version to see if it solves the problemm...

## 1001. MIC-E Update

From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
Date: Fri, 30 May 1997 17:44:13 -0500
To: "TAPR   APRS SIG"<aprssig@tapr.org>
Message-ID: <v03020913afb507fee7d8@[208.134.134.40]>
Rendered body type: text/plain

Just as an update, we had about 40 MIC-E's shipped back to the TAPR office
from Dayton  that are available.    If you had one on order, they will be
shipping out Monday.  Sorry for the delay, but we had to wait for two boxes
to get shipped back.

For details check:
http://www.tapr.org/tapr/html/mic-e.html

Also, the mic-e list is operating to take questions about the MIC-E.

Cheers - Greg

-----
Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
http://www.tapr.org/~wd5ivd
-----

## 1002. WRECKS

From: kd4emi@juno.com
Date: Fri, 30 May 1997 18:58:11 +0000
To: aprssig@tapr.org
Message-ID: <19970530.185945.12286.1.KD4EMI@juno.com>
Rendered body type: text/plain

Was there a file of shipwrecks available ?
I heard that it may exist ?

Mike
KD4EMI@JUNO.COM

## 1003. Re: APRS @ NWS Sites

From: joefoor@digitalexp.com (Foor, Joe)
Date: Fri, 30 May 1997 18:13:04 -0500
To: aprssig@tapr.org
Message-ID: <338F5F00.4244@digitalexp.com>
Rendered body type: text/plain

William B. Bliss wrote:
>    Follow up on APRSNWS.POS DATA file. Taking Bob/APRS
> suggestion on using backslash (\) between Lat\Long for
> GREEN disignated NWS stations.

Apparently, the word didn't get out yet. Bob decided not to go with the
character "\", as the color green is currently reserved exclusively for
wide area digis. He is considering using the character "A", which should
cause the NWS symbol to show as white, instead of blue.

regards,
Joe KF4DYS  (I just do it all for fun now)
----------------------------------------
Miniature Repair Technician(retired), Electronics Instructor(retired),
Motorcycle Instructor(retired), Ditch Digger(retired), Sailor(retired),
Technical Writer(retired), Petty Bureaucrat(retired), Gambler(retired),
Truck Driver(retired), Jungle Guide(retired), Hog Farmer(retired)

## 1004. Re: [APRSSIG:13077] Re: HGelp with Stand Alone Tracking

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Fri, 30 May 1997 16:31:12 -0700
To: rwf@mindspring.com
Cc: aprssig@tapr.org
Message-ID: <338F6340.3FEFA97F@bigfoot.com>
Rendered body type: text/plain

rwf wrote:
>
> Swap the  transmit and receive data lines when you hook the GPS to the
> TNC
> directly.
> Both are DCE.
What do you mean by DCE... And even though the GPS is working fine with
Waypoint+ and I can monitor GPS out put by connect to Com Port you think
I should reverse XMIT & REC when connected to TNC???
The reason I am asking is a friend of mine has a PK-12 connected to a
Garmin-45 with connector same as mine. (We are going to verify this this
weekend)

## 1005. Re: [APRSSIG:13125] Reminder

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 20:14:59 -0400 (EDT)
To: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530201035.3156E-100000@arctic>
Rendered body type: text/plain

Kill the JAMMAPS.zip file.  It does not need to be distributed at this
time.  That was just a way for someone to send it to me.  I have unzipped
it an am building these raw maps into a smooth system of maps which will
include their own MAPLIST and which will then be posted by me in the right
place.  Thanks..

I dont want to cause you problems, is there a temp storage place where
people can anonomyously post things to me without initiating your efforts?

 On Fri, 30 May 1997, Larry Keeran wrote:

> The FTP files that are uploaded need a text file:  (the future is here)
>
> "The WWW format in the near future will *require* a description along side
> of the file name.  The WWW user will read the description and click on the
> filename.xxx  Please help the TAPR guys out by providing this information
> now so the transition to the HTML format will be smooth. This is true of
> any platform."
>
> The JAMMAPS.ZIP are now in:
> ftp://ftp.tapr.org/tapr/SIG/aprssig/files/maps/PCMaps/JAMMAPS.ZIP
>
> The text description isn't included as JAMMAPS.TXT so we don't know the
> maplist to use with it.  The originator should upload the descriptive file
> so I can transfer it to the PCMaps location.
>
>
>
>
> /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
> Larry M. Keeran K9ORP - IS DP Tech - NWS ILX APRS Coord  k9orp@tapr.org
> EC McLean Co-CIPRUS,Inc-VP QCWA-Life ARRL-APRS-MacAPRS-WinAPRS-TAPR#762
> \/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1006. Error Code

From: Jon Haskell <kb9cml@worldnet.att.net>
Date: Fri, 30 May 1997 19:36:00 -0700
To: aprssig@tapr.org
Message-ID: <338F8E90.487A@worldnet.att.net>
Rendered body type: text/plain

I have loaded WAPRS 201 into my Windows 95 computer and it is running
great. However, in my 386 laptop with Windows 3.1, I get the following
error code when booting up the software. (I am running the W32s programs
to permit operation in the 3.1 enviornment.)

                Unhandled exception C0000005

at address:854a1d1t
top of stack 00071084

Anyone have any thoughts or suggestions?

Jon, kb9cml

## 1007. Re: [APRSSIG:13033] Re: [MIC-E:1183] Re: Why I'm upgrading my dosAPRS...

From: "Eric A. Cottrell" <eac@shore.net>
Date: Fri, 30 May 1997 19:50:43 -0400
To: sproul@ap.org
Cc: aprssig@tapr.org
Message-ID: <338F67D2.6106@shore.net>
Rendered body type: text/plain

Mark Sproul wrote:
>
> >
> >I am running WinAPRS 2.0.0.  The first time I went to work I was able to
> >do
> >replay track and see my track.  Since then I cannot replay my track.
> >I can replay other gps stations track and it seems that it is decoding
> >properly.  I will test by setting the GPS to simulator mode.
> >
> >I am getting the two color blinking of the power light that is suppose
> >to
> >indicate the box is getting a fix.
> >
>
> Version 2.0.0 the REPLAY track from the MENU does not work, however, if you
> click on the station and hit "R", it works fine
>
> 2.0.1 has this fixed

Hello,

I was doing the click on the station and hit "R".  It did not always
work.

I tried 2.0.1 and now it seems to work.

73 Eric eac@shore.net  WB1HBU

## 1008. Re: [APRSSIG:13116] RE: PacComm 4.1 Firmware & Tracker

From: Gary Sanders <gsanders@gte.net>
Date: Fri, 30 May 1997 21:59:21 -0400
To: aprssig@tapr.org
Message-ID: <338F85F9.3C5D@gte.net>
Rendered body type: text/plain

Gwyn Reedy wrote:
>
> Gary,
>
> Yes, this does sound like data overrun.
>
--SNIP--
>
> I do not have any information which may help you with the GPS-20, but there
> surely are many on the SIG who can.
>
I finally gave up on the idea of using the Garmin GPS20 for the tracker,
because although I can now turn off selected sentences via the PC, every
time I power up the GPS20 it defaults to all messages on, and since
there won't
be a PC attached to the tracker, it's about useless until I can buy a
Pico.

For the time being I've switched to an old Magellan OEM board that can
have
the messages turned off (and they stay off!). With the data rate set to
9600
and a couple of sentences enabled (GGA and a sat status sentence for
testing)
the Heath Pocket Packet works fine. (One other side effect of the
Magellan -
I can't participate in the GGA/RMC wars - the Magellan is so old it
doesn't
even output an RMC sentence!)

I thought the Magellan was getting sick, because it would crash after
being
connected for a couple hours and lose it's fix, requiring a complete
reset.
The answer was in a message from Ralph Milnes on setup of a Pico for
tracker
duty.  I noticed his first setup item was ECHO OFF. I tried it and it
seems
to have cured the problem. I guess the GPS was hearing itself on the
data port,
and under the right (wrong?) circumstances it would crash.  Thanks,
Ralph.

Hopefully, that was the last of the bugs.  Thanks, Gwyn and all for the
help.
It is greatly appreciated


Gary Sanders    WB0BZR
gsanders@gte.net

## 1009. Re: Pico Problem not xmitting

From: rparsons@paccomm.com (Ronald G. Parsons)
Date: Sat, 31 May 1997 02:18:52 +0000
To: aprssig@tapr.org
Message-ID: <v02140b00afb53ac4bc75@[205.238.168.24]>
Rendered body type: text/plain

Got the following report regarding 792-D2.

Ron


>From: "Mezzacapo, Jerry    (CEG/CEZF)" <mezzacj@b022smtp.wpafb.af.mil>
>To: "'Ron Parsons at paccomm'" <rparsons@paccomm.com>
>Subject: Pico Problem not xmitting
>Date: Fri, 30 May 97 14:50:00 PDT
>Encoding: 9 TEXT
>
>
>     The mod 792-D2 seems to work. I had it loaded and running for 4 hours
>with no failures. I will let it run this weekend and respond to you again.
> Thanks so much for your assistance.  Everything seems to work as advertised
>GPS port 2 input working fine.
>
>Thanks again
>
>Jerry Mezzacapo N8VTW

-------
Ron Parsons W5RKN

## 1010. Re: [APRSSIG:13130] Re: HGelp with Stand Alone Tracking

From: Gary Sanders <gsanders@gte.net>
Date: Fri, 30 May 1997 22:17:52 -0400
To: kb7qqq@bigfoot.com
Cc: aprssig@tapr.org
Message-ID: <338F8A50.1BA9@gte.net>
Rendered body type: text/plain

Sam Roe wrote:
>
> rwf wrote:
> >
> > Swap the  transmit and receive data lines when you hook the GPS to the
> > TNC
> > directly.
> > Both are DCE.
> What do you mean by DCE... And even though the GPS is working fine with
> Waypoint+ and I can monitor GPS out put by connect to Com Port you think
> I should reverse XMIT & REC when connected to TNC???
> The reason I am asking is a friend of mine has a PK-12 connected to a
> Garmin-45 with connector same as mine. (We are going to verify this this
> weekend)

DCE means Data Communication Equipment (as in Modem)

DTE means Data Terminal Equipment (as in PC)

A TNC is a DCE
A GPS is a DCE
A PC is a DTE

You can connect a DCE directly to a DTE with a straight through cable.
For
example connecting a modem or TNC to a PC. However, when you connect a
DTE to a DTE or a DCE to a DCE, for example when you connect a GPS to a
TNC,
you must use a null modem cable, which has (among other things that
don't matter here) the transmit and receive wires reversed from the way
they would normally
be connected.

Gary Sanders     WB0BZR
gsanders@gte.net

## 1011. NSS-20 Balloon Launch

From: davidc@tbcnet.com (David Chesser)
Date: Fri, 30 May 1997 21:25:14 +0100
To: aprssig@tapr.org
Message-ID: <199705310225.VAA23097@tbc1.tbcnet.com>
Rendered body type: text/plain

ON Sunday June 7th Near Space Science will be conducting there third
balloon launch of the year from Joe Mayenschein (WB9SBD) QTH nere La Valle,
Wi. Payload will be ATV and APRS compatible GPS.

NSS will go for an altitude record of 150,000ft using a 300,000 Cubic ft.
Ravin balloon costing $1900. All amateurs are invited to participate. We
need experienced fox hunters and portable APRS stations. For more
information go to
http://tbcnet.com/~davidc/nss/nss.html  EMAIL davidc@tbcnet.com

David KA9NHL

## 1012. (no subject)

From: davidc@tbcnet.com (David Chesser)
Date: Fri, 30 May 1997 21:51:11 +0100
To: aprssig@tapr.org
Message-ID: <199705310251.VAA23500@tbc1.tbcnet.com>
Rendered body type: text/plain

The launch of NSS-10 will be on Sunday June 8th not the 7th as announced.

## 1013. Re: [APRSSIG:13118] Jamboree maps DONE (fwd)

From: "John Funk" <funkj@tdi.net>
Date: Fri, 30 May 1997 22:39:00 -0400
To: <aprssig@tapr.org>
Message-ID: <199705310304.XAA11229@mercury.tdi.net>
Rendered body type: text/plain

...and wouldn't it be loverly if we could either uplink or downlink with the satellite for them?  Just a
 thought...

## 1014. Re: [APRSSIG:13137] NSS-20 Balloon Launch

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 23:39:40 -0400 (EDT)
To: David Chesser <davidc@tbcnet.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530233738.8049C-100000@arctic>
Rendered body type: text/plain

Make sure that anyone that is using APRSdos for critical tracking is using
at least APRS790 or later.  Versions for sometime prior to that will crash
when the altitude gets above 32,000 feet.

 On Fri, 30 May 1997, David
Chesser wrote:

> ON Sunday June 7th Near Space Science will be conducting there third
> balloon launch of the year from Joe Mayenschein (WB9SBD) QTH nere La Valle,
> Wi. Payload will be ATV and APRS compatible GPS.
>
> NSS will go for an altitude record of 150,000ft using a 300,000 Cubic ft.
> Ravin balloon costing $1900. All amateurs are invited to participate. We

> need experienced fox hunters and portable APRS stations. For more
> information go to
> http://tbcnet.com/~davidc/nss/nss.html  EMAIL davidc@tbcnet.com
>
>
> David KA9NHL
>
>
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1015. TRAKNET Station operational

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Fri, 30 May 1997 23:57:26 -0400 (EDT)
To: amsat-bb@amsat.org
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970530234226.8049F-100000@arctic>
Rendered body type: text/plain

The first TRAKNET ground station is reportedly on line as AA2BN in New
Jersey.  His station will automatically crosslink, any properly
formatted UI position reports that get digipeated by AO-16 over to the
eastcoast APRS tracking network.  In fact, if this works right, you may
even see your position on the WEB page below...

Here are several possible POSITION formats that should work:

URCALL>CQ,PACSAT-1:[GRID]comment                  4 digit Grid Sq
URCALL>GRIDSQ,PACSAT-1:]S[comment                 6 digit Grid Sq
URCALL>APRS,PACSAT-1:!3959.11N/07429.11Wcomment   LAT/LONG

Even if you dont have a PACSAT modem, any TAPR-2 compatible TNC can be
modified using only a single 7400 chip to XOR the TNC data with its clock
straight into the Mic jack of your 2m FM radio (via an RC filter)...
Good luck...

See MD/NJ/PA APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1016. Line Driver/Level Converter

From: Robert Mahoney <rgmahon@worldnet.att.net>
Date: Sat, 31 May 1997 04:02:01 +0000
To: aprssig@tapr.org
Message-ID: <19970531040200.AAA7416@LOCALNAME>
Rendered body type: text/plain

To All,

I'm looking for a compact way to convert NEMA 0-5 volt signals to RS-232 +/-
voltage levels.  I seem to recall a company that designed an IC several
years ago that needed only a +12 volt supply to do the job.  Can anyone
recommend or recall the IC number?

Bob WB8CXN
Dayton OH

## 1017. WT3C USCGC POLAR STAR ON APRS

From: David Dobbins <ddobbins@localaccess.com>
Date: Fri, 30 May 97 22:05:03 -0700
To: <aprssig@tapr.org>, <nwaprssig@localaccess.com>
Message-ID: <05044963893903@Localaccess.com>
Rendered body type: text/plain

What a pleasant surprise to see the USCGC POLAR STAR/WT3C Matt Armstrong
on APRS this evening. Matt was operating Polar Star from Blakely Harbor,
just east of Bremerton, WA. I received the packets via an uplink from
Bill/KB6LFM, in the Bay area. I had helped Matt get started with APRS
several months ago, but Matt's efforts were pre-empted by (of all things)
too much work. Polar Star will be making both Artic and Antartic cruises
in the coming months.

Bill/KB6LFM must have quite the station, as he was uplinking Pitcairn
Island and other remote locations. Thanks for the uplinks, Bill.

Aloha, Dave/WH6YC

## 1018. Re: [APRSSIG:13134] RE: PacComm 4.1 Firmware & Tracker

From: Robert Winingham <kc5ejk@onramp.net>
Date: Sat, 31 May 1997 00:45:44 -0500
To: gsanders@gte.net
Cc: aprssig@tapr.org
Message-ID: <v03102801afb56a592cf4@[206.50.200.78]>
Rendered body type: text/plain

>Gwyn Reedy wrote:
>>
>> Gary,
>>
>> Yes, this does sound like data overrun.
>>
>.... With the data rate set to
>9600
>and a couple of sentences enabled (GGA and a sat status sentence for

As this seems to be a data overflow problem,
Is there any reason you are just not using 1200 baud out from the Garmin-20.

Most of us are stuck with 4800 baud from the Garmin-45 line, but
the Garmin-20 is jumper selectable.

I have a few Garmin-20 units but just use the default settings.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

## 1019. Re: [APRSSIG:13142] Line Driver/Level Converter

From: Robert Winingham <kc5ejk@onramp.net>
Date: Sat, 31 May 1997 00:54:24 -0500
To: rgmahon@worldnet.att.net
Cc: aprssig@tapr.org
Message-ID: <v03102802afb56c84af5f@[206.50.200.78]>
Rendered body type: text/plain

>To All,
>
>I'm looking for a compact way to convert NEMA 0-5 volt signals to RS-232 +/-
>voltage levels. I seem to recall a company that designed an IC several
>years ago that needed only a +12 volt supply to do the job. Can anyone
>recommend or recall the IC number?
>
>Bob WB8CXN
>Dayton OH

I do you one better how about only needing 5 Volts

The MAX232 or the MAX 233 and forget the 4 external Caps.

see the Dallas Semiconductor web site for an equilivent chip
and a spec sheet.

I have connections to Dallas as I live here :-) but not DS

PS the NMEA voltage seem to work into most RS-232 devices I have
tried and is a better match to RS-422.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

## 1020. NWS Sites

From: "William B. Bliss" <wbliss@coastside.net>
Date: Fri, 30 May 1997 23:22:10 -0700
To: bruninga@nadn.navy.mil
Cc: aprssig@tapr.org
Message-ID: <199705310622.XAA12799@poseidon.coastside.net>

Rendered body type: text/plain

Hi Bob,
   Searched the NWS web sites again and found the new
modernization NWS sites, calls, cities, dates established
and their Lat/Longs..
   Look for the "Facility.txt" 22,052 byte file at the foll:

  http://www.nws.noaa.gov/pub/modernize/   also there is an
alphabetical listing by city, state at the foll:

   http://www.crhnwscr.noaa.gov/lmk/textonly/othernws.htm

  The NWS/NOAA system has gone thru a complete change and
modernization, 132 NWS offices, six different regions and
numerous changes.
   Probably your old NWSPOSN.POS data file should be discarded
and/or revised from its current listings, which apparantly are
no longer accurate. Mucho changes.
   I can send you the 22052 byte ASCII "Facility.txt" file if
you desire.
     73's & Enjoy/Endure, Bill/WB6LPG
NNNN

## 1021. Re: [APRSSIG:13130] Re: HGelp with Stand Alone Tracking

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Sat, 31 May 1997 00:21:35 -0700
To: aprssig@tapr.org
Message-ID: <338FD17F.7BB79557@bigfoot.com>
Rendered body type: text/plain

Thanks to all for the info on DCE versus DTE. I got a education and
the PK-12 is now working with GPS 12 XL as a standalone tracker. Thanks
again to all who offered help

--
**********
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
**********

## 1022. NMEA approved sentences

From: Sam Roe <kb7qqq@bigfoot.com>
Date: Sat, 31 May 1997 00:27:44 -0700
To: APRS <aprssig@tapr.org>
Message-ID: <338FD2F0.968D7161@bigfoot.com>
Rendered body type: text/plain

1. Where can I find what is contained in each of the approved sentences?
   i.e. GPGGA, GPGLL, GPGSA, etc.
2. Will APRS/DOS and WinAPRS use both the NMEA 0183 Ver 1.5 and Ver 2.0?
  The GPS II+ only supports NMEA 0183 Ver 2.0

Thanks
--
**********
Sam Roe
Puyallup, Wa
KB7QQQ@bigfoot.com
**********

## 1023. javAPRS 1.7b2

From: Steve Dimse <sdimse@bridge.net>
Date: Sat, 31 May 97 06:32:39 -0400
To: "aprssig" <aprssig@tapr.org>
Message-ID: <199705311032.GAA15672@bridge.net>
Rendered body type: text/plain

I put another version of javAPRS up on the TAPR server.

This fixes some cosmetic errors introduced in the last version, some
parser errors, and updates the icon files.

ftp://ftp.tapr.org/tapr/SIG/aprssig/files/javastuff/japrs17b2.zip

Steve K4HG

## 1024. Re: APRS & NWS Sites..

From: henryvb <henryvb@dpliv.com>
Date: Fri, 30 May 1997 19:57:24 -0500
To: APRS Sig <aprssig@tapr.org>
Message-ID: <338F7774.7F60@dpliv.com>
Rendered body type: text/plain

APRBob replied to a recent message:

> > Hi All,
> >    How about a .POS Data file on all NWS Forecast Office
> > sites which now have APRS Installed.
>
> APRSdos REPLY/COMMENT:  SImple.  How about we make all the NWS sites in
> the existing NWSPOSN.POS file that have APRS be GREEN?  We can do that by
> simply changing the "/" to a "\" between the LAT/LONG.  So, Everyone with
> such a site, please lemme know the NWS station ID and I will edit my
> file...

NO NO NO.  Since green is supposed to be for WIDES, we should not use if
for anything else.  In Chicago we have WX digis that are WIDES, they
show up green like they should.  We also have an NWS office xmitting WX
that is not a WIDE, why should it be green???  This will confooz too
many people and the last thing we want is folks thinking they should be
sending thru a WIDE that isn't a WIDE.

Now before you respond "it's a POS file, people should know these
stations are not actually online!", remember that new users are prone to
doing strange things, based on what they read, or think they read, in
the docs.  Let's not make it any more difficult for them.

Henry
N9WMM
henryvb@dpliv.com

## 1025. Re: [APRSSIG:13142] Line Driver/Level Converter

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 10:42:37 -0400 (EDT)
To: Robert Mahoney <rgmahon@worldnet.att.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531104135.17647D-100000@arctic>
Rendered body type: text/plain

On Fri, 30 May 1997, Robert Mahoney wrote:
>
> I'm looking for a compact way to convert NEMA 0-5 volt signals to RS-232 +/-
> voltage levels.

APRSdos REPLY/COMMENT:  Have you tried the 1k series and 12k pull down
ressistor I suggest in GPS.txt?

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1026. Re: [APRSSIG:13130] Re: HGelp with Stand Alone Tracking

From: Daven6ojj@aol.com
Date: Sat, 31 May 1997 14:23:55 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <970531142354_-663568166@emout10.mail.aol.com>
Rendered body type: text/plain

If your GPS, TNC and Computer all communicate, then don't mess with the pins
in the cable connectors.  You are using the correct cable combinations.

The "DCE" and "DTE" terms come out of the EIA-232 (was RS-232) standard for
the 25-pin interface.   DTE has data out on pin 2 and DCE has data in on pin
2, and so on for the other pins.  Pin 7 is ALWAYS signal common.

DTE devices communicate with DCE devices with "straight through" cables; pin
2 connects with pin 2, etc.  DTE-DTE and DCE-DCE communications require a
"cross-over" cable (also known as "null-modem"); pin 2 connects with pin 3,
etc.

If you are using the 9-pin connector the pin numbers are different, but the
principles are the same.

The manuals with each of the devices should describe completely the interface
requirements of that device.  You can then decide what type of cable you must
acquire or build.  None of us are the first to confuse the interfaces; and
certainly won't be the last. 8:)

73 de N6OJJ
Dave McBrayer
daven6ojj@aol.com

## 1027. Re: [APRSSIG:13142] Line Driver/Level Converter

From: Daven6ojj@aol.com
Date: Sat, 31 May 1997 14:23:58 -0400 (EDT)
To: aprssig@tapr.org
Cc: rgmahon@worldnet.att.net
Message-ID: <970531142357_-1464778278@emout13.mail.aol.com>
Rendered body type: text/plain

There are several ways you can do this.
1.  use a conventional EIA-232 set of chips (1488 and 1489);
2.  use one of recent combo chips (my favorite) from, Maxim, Dallas, or
Linear
     Technology - check their web sites for data sheets;
3.  use op-amps;
4.  use transistors.

The combo chips are widely available at local electronics retailers and
catalogs, and use only +5v and a couple of capacitors for decoupling.
 Depending on your needs, the combo chips are available in DIP, DIL and SMT
outlines.

73 de N6OJJ
Dave McBrayer
daven6ojj@aol.com

## 1028. WIERD QUESTION

From: kd4emi@juno.com
Date: Sat, 31 May 1997 14:27:06 +0000
To: aprssig@tapr.org
Message-ID: <19970531.142759.3486.1.KD4EMI@juno.com>
Rendered body type: text/plain

Been running WIN APRS 201 with same maps etc etc..

Just not when I restarted it, I now have 3 colors in maps ?!?

Gold, aqua and black

Gold is the interstate, Aqua is trees/water and black is street.
The map is Ft Lauderdale map.

I never saw this before in a 100K map ?
What happened ?
Mike

## 1029. Re: [APRSSIG:13153] Re: Line Driver/Level Converter

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 15:00:26 -0400 (EDT)
To: Daven6ojj@aol.com
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531145731.25191E-100000@arctic>
Rendered body type: text/plain

On Sat, 31 May 1997 Daven6ojj@aol.com wrote:

> There are several ways you can do this.
> 1.  use a conventional EIA-232 set of chips (1488 and 1489);
> 2.  use one of recent combo chips (my favorite) from, Maxim, Dallas, or

APRSdos REPLY/COMMENT: Careful, all of these methods do the INVERSION from
TTL to RS-232.  Remember that NMEA is NOT inverted, so if you use the
above methods you will need to add an additional inverting stage.  I have
always found that a pair of resistors will work, but their values may have
to be unique for each particular GPS and PC combination..

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1030. Austin--- Dallas--- Pico--- APRSd2.ZIP

From: rwf <rwf@mindspring.com>
Date: Sat, 31 May 1997 15:23:15 -0500
To: aprssig@tapr.org
Message-ID: <3.0.32.19970531152306.00a887b0@ccegate.cokecce.com>
Rendered body type: text/plain

Just got my my mobile APRS Station/Pico/Tracker rebuilt today. Installed a Kenwood 241 to get rid of the old Azden 4000 power dog. Can't wait to try it out in Austin and Dallas next week!

D2 seems to e working OK. I have noticed the  :   symbol accasonally still. Previously that meant I was in limbo/no TX land. Now I notice I can still Xmit. Things are looking better.  I am taking a long trip today so will report back after the trip.

At 09:52 AM 5/30/97 -0500, Bob wrote:
  Havent heard any feedback yet.  If you had problems before,
>please try this new beta version to see if it solves the problemm...

Ralph Fowler, N4NEQ   S.E.R.A. ATV Technical Advisor   Author of TIBBS(tm)

Trustee of the Atlanta ATV repeater:1253 FM in  427.25 (Ch 58) out
rwf@mindspring.com       Atlanta, GA USA
http://www.mindspring.com/~rwf     for APRS, ATV, Balloon, and Ham info
My hobby's tracking Vehicles & other things using Ham Radio and APRS. Ask me how!

## 1031. WinAPRS crashes on Thinkpad

From: "David Schick" <gschick@pop.iquest.net>
Date: Sat, 31 May 1997 14:39:00 +0000
To: aprssig@tapr.org
Message-ID: <199705311939.OAA17473@tapr.org>
Rendered body type: text/plain

Hello all!
I am using an IBM thinkpad 760ED to try to run WinAPRS v 2.01,
but whenever I open the program it immediately crashes.
I do not see any other screen other than an Unhandled Exception
error.
The error box says:
Unhandled exception:  c0000005
At address:  00461d1f
Top of Stack:  004e805c

I am running windows 95 with Service Pack 1, all my other
programs run fine, and I can run winaprs on my other computer, which
uses win3.1.
Does anybody have any suggestions?
thanks de David, W9OFA

David, W9OFA
QTH Noblesville, IN
Email:
gschick@iquest.net
Homepage:
http://www.iquest.net/~gschick/

## 1032. Re: [APRSSIG:13072] HGelp with Stand Alone Tracking

From: John W  Wilson <z004391b@bc.seflin.org>
Date: Sat, 31 May 1997 15:50:58 -0400 (EDT)
To: Sam Roe <kb7qqq@bigfoot.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.3.89.9705311547.A19055-0100000@bc>
Rendered body type: text/plain

I believe you should set the terminal (TNC) baud to 4800 ahead of time and not expect the GPS mode command to set it for you.  Do all your setup in 4800 mode and then enable the GPS mode.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Thu, 29 May 1997, Sam Roe wrote:

> I have a AEA PK-12 TNC hooked-up to a Azden PCS-2000 fed by a GPS
> 12 XL or GPS II+ (One has to go back when I decide which I like better).
> The problem is after setting up the TNC for Stand Alone Tracking it will
> not key the radio. Here is the set up per manual:
> 1. Insure TNC works properly with computer. (It does)
> 2. Enter MY KB7QQQ-14
> 3. Program UNPROTO to: UN APRS via Relay
> 4. GLOCtx 6 (going by the book)
> 5. GNMEA1 $GPGLL
>    GNMEA2 $GPVTG (Have tried other combinations of GPS sentences)
> 6. Type GPSMode 1
>    At this point the TNC should be switched to GPS mode and baud rate
> changed to 4800. It says    the screen will not respond after entering
> this command and it does not.
> 7. Turn off PK-12 and disconnect from computer.
> 8. Connect TNC to radio and GPS.
>    Now it should be working but it is not. The TNC is not keying the
> radio. I know that it has    to receive a valid GPS sentence to
> transmit. I have even tried putting the GPS in Simulator    mode and
> giving it a heading and course. I have tried setting GPS to NMEA/NMEA &
> NONE/NMEA.    Also tried both NMEA 0183 1.5 and NMEA 2.0
>
>    I have two PK-12's set up and both work fine as a base. Yes I have
> checked them out on both radio's and with both connectors. The only
> problem I can find is that neither PK-12 will XMIT after it has been
> issued the GPSMode 1 command.
>
> Does anyone have any suggestions??????
>
> --
> ******************
> Sam Roe
> Puyallup, Wa
> KB7QQQ@bigfoot.com
> ******************
>

## 1033. another baffler!

From: kd4emi@juno.com
Date: Sat, 31 May 1997 15:51:38 +0000
To: aprssig@tapr.org
Message-ID: <19970531.155139.10230.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ok, was working with the maps

NOW

my Ft lauderdale map is all just 1 color again  ?
What gives

Mike

## 1034. Re: [APRSSIG:13134] RE: PacComm 4.1 Firmware & Tracker

From: Gary Sanders <gsanders@gte.net>
Date: Sat, 31 May 1997 16:13:44 -0400
To: Robert Winingham <kc5ejk@OnRamp.NET>
Cc: aprssig@tapr.org
Message-ID: <33908678.7730@gte.net>
Rendered body type: text/plain

Robert Winingham wrote:
>

> As this seems to be a data overflow problem,
> Is there any reason you are just not using 1200 baud out from the Garmin-20.
>

Since I can't permanantly disable messages on the GPS20, if I set it to
1200 it wouldn't be able to get through all the sentences in 1 second.
I'm
not sure how the GPS20 or the TNC would react to this.  Obviously
there's
going to be data thrown away some where - I just don't know which device
is going to do the throwing.

However, since it's relatively easy to set it up, at least for a trial,
I'll
give it a try and see what happens.

Gary     WB0BZR
gsanders@gte.net

## 1035. APRS DOS in Win95 window with WISP

From: John W  Wilson <z004391b@bc.seflin.org>
Date: Sat, 31 May 1997 16:20:46 -0400 (EDT)
To: Bob Bruninga <bruninga@nadn.navy.mil>
Cc: aprssig@tapr.org
Message-ID: <Pine.3.89.9705311614.D19055-0100000@bc>
Rendered body type: text/plain

I have resurrected my WISP software and satellite station since there has
been some interest in PACSAT and APRS.  When I run WISP with APRS DOS
running in Windoze mode (f10 key) or in full screen mode the WISP
continues to run after a satellite pass but APRS locks up.  The only way
I can revive it is to control/alt/delete the window and shut it down.
This has happend almost every time after a pass.  Anybody else in this
situation?

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

## 1036. [Fwd: Mobile Foxes]

From: "Eric A. Cottrell" <eac@shore.net>
Date: Sat, 31 May 1997 15:49:40 -0400
To: APRS Mail List <aprssig@tapr.org>
Message-ID: <339080D4.6A3C@shore.net>
Rendered body type: text/plain

Hello,

I thought this may be interesting given the early april
discussion on a related topic.

73 Eric eac@shore.net  WB1HBU

## 1037. MIC-E Output

From: Dave Kaplan <fluidpwr@sprynet.com>
Date: Sat, 31 May 1997 15:57:01 -0500
To: aprssig@tapr.org
Message-ID: <3.0.1.32.19970531155701.006a89ac@m1.sprynet.com>
Rendered body type: text/plain

A few hours ago a tracker with a MIC-E went through town.  His out put
looked like this:
KI0BF-14>TR2S0X,RELAY,WIDE*:|1Y!y=k
KI0BF-14>TR2S0X,RELAY*,WIDE:|1Y!y=k
KI0BF-14>TR2S0X,RELAY,WIDE:|1Y!y=k
KI0BF-14>TR2R8P,RELAY,WIDE*:|1E!y=k
KI0BF-14>TR2R8P,RELAY*,WIDE:|1E!y=k
KI0BF-14>TR2R8P,RELAY,WIDE:|1E!y=k
KI0BF-14>TR2R4W,RELAY,WIDE*:|1,e?k
KI0BF-14>TR2R4W,RELAY*,WIDE:|1,e?k

APRSW 2.0.1 handled him just fine as the data plotted on my screen, but I'm
use to seeing the #GPRMC and $GPGGA stuff.  What is it I saw and how can I
decode it?

Dave

## 1038. Re: [APRSSIG:13146] NWS Sites

From: Mike Heskett <mheskett@startext.net>
Date: Sat, 31 May 1997 16:06:20 -0500
To: aprs <aprssig@tapr.org>
Message-ID: <339092CC.5AE9@mail.startext.net>
Rendered body type: text/plain

William B. Bliss wrote:
>
> Hi Bob,
>    Searched the NWS web sites again and found the new
> modernization NWS sites, calls, cities, dates established

> and their Lat/Longs..
>    Look for the "Facility.txt" 22,052 byte file at the foll:
>
>   http://www.nws.noaa.gov/pub/modernize/

The New list looks like best starting point. It is right for Fort Worth
Forcast Office which was not in old list.
--
==/===/===/===/===/===/===/===/===/===/===/===/===/===/===/===/
Mike Heskett    email   mheskett@startext.net
WB5QLD          packet  WB5QLD@WO5H.#DFW.TX.USA.NOAM
Hurst, TX       WWW     http://www.startext.net/homes/mheskett/
O-

## 1039. help detail

From: kd4emi@juno.com
Date: Sat, 31 May 1997 17:14:26 +0000
To: APRSSIG@tapr.org
Message-ID: <19970531.171427.3718.0.KD4EMI@juno.com>
Rendered body type: text/plain

Ok here is what happened, cant figure out at all...

Playing with winaprs, ft lauderdale 100K map suddenly comes up in colors.
Has Never done it before.

Playing some more..
Now it is back to plain monochrome....

What gives ?
Mike KD4EMI@JUNO.COM

## 1040. DOS COM TSR

From: Joe Scalet <jscalet@swbell.net>
Date: Sat, 31 May 1997 16:58:08 -0500
To: aprssig@tapr.org
Message-ID: <33909EF0.2111@swbell.net>
Rendered body type: text/plain

Sometime back someone posted information about a DOS utility to set the
serial port and baud rate so that you could use a Tripmate with programs
that didn't correctly initialize the serial port. I've somehow lost the
posting. Would the person that posted it please repost it to my email
address. It would be a great help. Thanks

## 1041. APRS at BSA Jamboree

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 19:10:39 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531190933.338G-100000@arctic>
Rendered body type: text/plain

If you got this message privately, then I have you on my APRS/Jamboree
list.  I am posting it on the sig to see if I missed anyone...

I just posted JAMMAPS.ZIP on tapr in the files/dosstuff/APRSdos area.
They are fairly complete, but once I get my hands on the exact Jamboree
camp layout, I will make one more edition to include detail all the way
down to the booths if possible.  Here are my thoughts on possible uses of
APRS.

Probably APRS best applications will be as simply an electronic LIVE MAP
display to keep track of things..

Here are possible uses:

1) Two APRS PC's at the Main station and at the Radio Merit Badge
booth minimum.  If nothing else, it could be used for posting current
locations of Ham logistics items...  All staff members that are APRS
capable will be seen as they come and go...

2) IF there is an HF receiver available on 10.151LSB, then scouts can SEE
the up to 90 or so boats, campers, and otehr HAM travelers on APRS HF...
I can loan a KAM so that all this HF stuff would be seen on ALL local APRS
VHF screens too..

3) Could also put others as available at the main Jamboree Hdqtrs and
first aid tents.  Could put GPS on the ambulance and other VIP

vehicles.

4) If someone brought an HT tracker, then you could have fun with the kids
letting someone walk around while being tracked on the screen...

5)  If there were enough displays, then troops could post their current
position on any nearby APRS and then everyone could see where they were at
that time...

In otherwords, use it as a public MAP BOARD; but it has the advantage that
everyone everywhere can see it (everywhere that there is an APRS
display...)

AND it will be easy to link this display into Annapolis, where I can
maintain a LIVE WEB page so that scouts around the world can see who is
where at the Jamboree...   To do the live link, all we need is someone
living on a hill about 15 miles north of the Jamboree to leave his home
radio and TNC on 145.79 to serve as a link digipeater to Annapolis.
Trivial to do....no special equipment or set up required...

For a sample of this live capability, see the DAYTON page we did below.
It was live (until Dayton was over...)

See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1042. TNC & Tripmate cables

From: William Nolle <wa8inz@mindspring.com>
Date: Sat, 31 May 1997 18:43:22 -0500
To: aprssig@tapr.org
Message-ID: <3390B79A.600D@mindspring.com>
Rendered body type: text/plain

I posted the URL of a person that will make cables for the tripmate in
many ways. He made me one to go from the Tripmate to the dual port
PicoPacket including a power supply and also be able to switch from
Tripmate output to standard NMEA output so the Tripmate can be used with
other software. After several people from the Sig here contacted him he
decided he wanted to get in to APRS and ordered himself a dual port
PicoPacket, so if nothing else we have a new member Hi. In case you need
a special cable here is his URL. By the way my cable with the above
specifications was only $24. He goes by the name of Lumpy KD5AIR.

http://www.digitalcartography.com/cables.shtml

--
Bill WA8INZ
wa8inz@mindspring.com
wa8inz@amsat.org

## 1043. NWS offices in Middle Tennessee.

From: "Bruce W. Martin" <martinbw@telalink.net>
Date: Sat, 31 May 1997 19:03:25 -0500
To: aprssig@tapr.org
Message-ID: <9705311903.AA25744@dial2-dyn4-79.bna.telalink.net>
Rendered body type: text/plain

BNA,36.133,086.6833
This is the official office at the nashville airport where all wind, rain etc.
data is collected and reported.

OHX,36.2466,086.56583
This is the office near Old Hickory lake that is the site of the local doppler
radar. This office was recently equipped with APRS using the callsign NT4L-2.
There is a ham on the technical staff and I am on call during severe weather
to go man the Ham Desk/Station. Currently they are not transmitting any
weather data on APRS just collecting reports.

Bruce, KQ4TV


--
 Bruce W. Martin           Internet: martinbw@telalink.net
 HAM Call: KQ4TV           APRS:3610.50N/08635.50W
 URLs:  http://www.telalink.net/~martinbw/
        ftp://ftp.telalink.net/users/m/martinbw/ftp/incoming/
      NT4L Rover Operations Page:
        http://www.telalink.net/~martinbw/vhf/vhf.html

## 1044. Florida Hurricane Confernce

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sat, 31 May 97 21:14:47 EDT
To: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.865127687.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

I will be attending the Florida Governor's Confernce on Huricanes for the next 3 days.. I will probably not have access to e-mail, so if you send me something, I won't answer till late next week..

Also, I look forward to meeting many of the APRS people from Florida at this confernce..

Keith Sproul

Keith Sproul — Ham Radio: WU2Z
Student Housing Network Coordinator — ksproul@noc.rutgers.edu
Rutgers University Computing Services — 908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/ — 908 821-4828 Home

## 1045. WinAPRS & Weather Stuff

From: Keith Sproul <ksproul@hardees.rutgers.edu>
Date: Sat, 31 May 97 21:13:14 EDT
To: jeffb@stans.com
Cc: aprssig@tapr.org
Message-ID: <CMM-RU.1.5.865127594.ksproul@hardees.rutgers.edu>
Rendered body type: text/plain

I would like to publicly thank Jeff Brenton for his diligence in tracking down the idiosyncrasies of the Weather Charts in WinAPRS..

He had discussed this stuff with me on more than one occasion, and I had told him that I knew there was a problem and I just couldn't figure out what was going on in some of the cases..

Jeff's e-mail from a couple of days ago was very well documented and is helping me get these charts working better..

My dad had seen the same things and so had I, but I just couldn't narrow down the times and situations that it was goofing up..

Thanks Jeff..

Keith Sproul

Keith Sproul — Ham Radio: WU2Z
Student Housing Network Coordinator — ksproul@noc.rutgers.edu
Rutgers University Computing Services — 908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/ — 908 821-4828 Home

## 1046. New NWSPOSNS file

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 21:31:15 -0400 (EDT)
To: "Bruce W. Martin" <martinbw@telalink.net>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531212817.4266B-100000@arctic>
Rendered body type: text/plain

On Sat, 31 May 1997, Bruce W. Martin wrote:

> OHX,36.2466,086.56583
> This office was recently equipped with APRS using the callsign NT4L-2.

APRSdos COMMENT: OK, I have merged the new NWS file prepared by Cap Pennel with my old NWSPOSNS file and added the above. I wont post it to the sig until I get concurrence from Sprouls about my new porposed WX symbols. But now we have an updated file, so no one needs to duplicate that effort. Thanks Cap...

See DAYTON97 HISTORY: http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE: http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio: http://www.tapr.org/tapr/html/mic-e.html

## 1047. Re: [APRSSIG:13153] Re: Line Driver/Level Converter

From: Byron Smith <wa6ylb@theworks.com>
Date: Sat, 31 May 1997 17:44:02 -0800
To: Daven6ojj@aol.com
Cc: aprssig@tapr.org
Message-ID: <3.0.1.16.19970531174402.2c2ff60e@theworks.com>
Rendered body type: text/plain

I sent him about the same thing you mentioned here, but with one thing-
these chips you mention here invert the data incomming thru them. I ran
into the same thing on a single board pc awhile back. The 1488 and 1489
especially do this.
the data output from the GPS is in the proper polarity, but just lacks the
negative voltage for the 0 volt state. If he just uses these chips, yes, he
will have plus and minus data swings, but will also have all the 1's
inverteded to 0's etc.


At 01:30 PM 5/31/97 -0500, you wrote:
>There are several ways you can do this.
>1.  use a conventional EIA-232 set of chips (1488 and 1489);
>2.  use one of recent combo chips (my favorite) from, Maxim, Dallas, or
>Linear
>     Technology - check their web sites for data sheets;
>3.  use op-amps;
>4.  use transistors.
>
>The combo chips are widely available at local electronics retailers and
>catalogs, and use only +5v and a couple of capacitors for decoupling.
> Depending on your needs, the combo chips are available in DIP, DIL and SMT
>outlines.
>
>73 de N6OJJ
>Dave McBrayer
>daven6ojj@aol.com
>
>

Byron Smith
wa6ylb@theworks.com
wa6ylb@wa6ylb.#cca.ca.usa.noam

... Do radioactive cats have 18 half-lives?

## 1048. Re:APRS DOS in Win95 window with WISP

From: "Anthony Hickey" <anthonyh@mailbox.neosoft.com>
Date: Sat, 31 May 1997 21:23:21 +0000
To: aprssig@tapr.org
Message-ID: <199706010222.VAA02694@mailbox.neosoft.com>
Rendered body type: text/plain

> I have resurrected my WISP software and satellite station since there has
> been some interest in PACSAT and APRS.  When I run WISP with APRS DOS
> running in Windoze mode (f10 key) or in full screen mode the WISP
> continues to run after a satellite pass but APRS locks up.  The only way
> I can revive it is to control/alt/delete the window and shut it down.
> This has happened almost every time after a pass.  Anybody else in this
> situation?

APRS crashes for me inexplicably and erratically  in windoze mode
under normal circumstances.  I am unable to revive it and have to
forcibly close it.  I guess it is some sort of packet that triggers
the crash, but I have no way of telling...

-Running APRS 792  Win 95  KPC-3

```
 _____________________________________
/Anthony Hickey               -=AB5QR=-    \
|          anthonyh@neosoft.com            |
|http://www.neosoft.com/~anthonyh/AB5QR.htm|
\_____________________________________/
```

## 1049. APRS T-shirts

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 22:53:20 -0400 (EDT)
To: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531224615.5987E-100000@arctic>
Rendered body type: text/plain

Finally diging out from under the mess from Dayton.  I have about a dozen
white T-shirts left, and the guy will make more on demad.  These have a
blue oval globe about the size of a football on the chest overlayed with

big outline letters APRS.  Below that is APRS spelled out in 2 lines.
APRS and letters are in a reddish orange like what is on my QSL card.

I have a few XL, but the rest are Large.  These are $12 plus $2.95
shipping and handling.  After these are gone, he will make more..
send orders to my address below.

US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html

## 1050. Re: [APRSSIG:13174] Re:APRS DOS in Win95 window with WISP

From: Bob Bruninga <bruninga@nadn.navy.mil>
Date: Sat, 31 May 1997 22:56:12 -0400 (EDT)
To: Anthony Hickey <anthonyh@mailbox.neosoft.com>
Cc: aprssig@tapr.org
Message-ID: <Pine.SOL.3.96.970531225443.5987F-100000@arctic>
Rendered body type: text/plain

Sorry to hear...   Its gonna be hard to figure this out, until we catch it
in the act...  I did find a crasher if you everhit the right mouse button
while in DOZ.  Have fix for that in the next version...

 On Sat, 31 May
1997, Anthony Hickey wrote:

>
> > I have resurrected my WISP software and satellite station since there has
> > been some interest in PACSAT and APRS.  When I run WISP with APRS DOS
> > running in Windoze mode (f10 key) or in full screen mode the WISP
> > continues to run after a satellite pass but APRS locks up.  The only way
> > I can revive it is to control/alt/delete the window and shut it down.
> > This has happened almost every time after a pass.  Anybody else in this
> > situation?
>
> APRS crashes for me inexplicably and erratically  in windoze mode
> under normal circumstances.  I am unable to revive it and have to
> forcibly close it.  I guess it is some sort of packet that triggers
> the crash, but I have no way of telling...
>
> -Running APRS 792  Win 95  KPC-3
>  _____________________________________________
> /Anthony Hickey                -=AB5QR=-     \
> |          anthonyh@neosoft.com              |
> |http://www.neosoft.com/~anthonyh/AB5QR.htm|
> _____________________________________________/
>
>

APRSdos REPLY/COMMENT:

Reply mail addr:   wb4apr@amsat.org
US mail address:   115 old Farm Ct, Glen Burnie, MD 21060
See DAYTON97 HISTORY:    http://web.usna.navy.mil/~bruninga/dayton.html
See Maryland APRS LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
See GPS on ANY radio:    http://www.tapr.org/tapr/html/mic-e.html